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VAUGHAN'S SEED STORE

CHICAGO & NEW YORK

62,83

SULTAN

SALMON
KING

CLARA BUTT

PRIDE OF
HAARLEM

WHITE
GOLDEN

CRECHEN

AUTUMN
- 1912 -



DARWIN TULIPS
PRIDE OF HAARLEM
LINCOLN PARK, MAY, 1912



THESE bulbs for September and October planting give to the lawn and garden the earliest flowers, gay Tulips, yellow Daffodils, Crocus in many colors and blue Scillas. Indoors the fragrant Hyacinths make most effective contrast to the March blizzard. The use of these bulbs and bulbous plants and roots has greatly increased. The stored substance in them makes effective flowering most sure. Our importations of these bulbs and plants from Europe are made with special reference to the needs of those who desire the best qualities obtainable. For those who produce the flowers for pleasure or for profit, such bulbs will, under proper treatment, produce the best flowers that grow. We aim with each new edition of this book to make plainer the use of fall bulbs, and tell how beds and borders can best be laid out and planted. With the details we give here, every customer should be able to select and order readily without the aid of a gardener, and therefore with an added pleasure to the final result.

Should you need further suggestions or plans, we shall be glad to supply them on receipt of particulars.

Suggestions to Customers in Ordering from this Catalogue

A reading of the following will prove an aid to you and to us:

How to Order: Write your name, postoffice, state and express office plainly with black ink, on every order, and every time you write to us. Give plain express, mail or freight directions; where none are given, we route the same at buyers' risk.

Use Order Sheets: The use of our order sheets enclosed in this catalogue is a great help to us in facilitating filling and shipment of orders. One order sheet is for seeds and bulbs, the other for plants, shrubs and trees. Instructions for use are on the sheets. More will be sent on receipt of a postal asking for same.

Use one line for each kind ordered. As nearly as possible make out your list in the same order in which the goods are catalogued, beginning at the front.

Vegetable Seed Orders should plainly state quantity before the name of the variety.

Flower seeds may be ordered by number, always giving quantity.

Plant orders should give **quantity, variety and size.**

Keep a Copy of your Order: Check goods received with this copy. Some times items are sold out or will follow later, in which case a slip is enclosed with other goods or notice sent.

Mistakes: These will happen in spite of all care. Write us at once with a copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

Orders are Promptly Filled: Or in case of delay, notified by postal card. If you do not hear from an order sent us, within a reasonable time, send us a duplicate order covering date of order, amount of same and form of remittance, your name and full address. If you cover these points in your first letter, long delay is often saved in tracing.

Prepaid: Prices given in this catalogue usually include prepayment by mail on **bulbs** and **plants** (not tools unless so marked), except where offered by "express," or marked otherwise; then the purchaser is to pay charges.

Freight or Express: All express lines in the United States and Canada carry seeds and plants at the special reduced rate of 20 per cent less than general merchandise rates. On moderate sized orders we advise express shipment rather than freight.

Time of Sending: Not all fall bulbs are ready at the same time, but nearly all the Dutch and French importations are in the store by September 15. The following table gives approximate dates of arrival: **September 1.**—*Lilium Candidum*, Roman Hyacinths, *Lilium Harrisii*, Freesias, Peonies. **September 15.**—Hyacinths, Tulips and other Dutch bulbs, Callas. **October 20.**—Full supply of Lilies, Chinese Narcissus, Dahlias and Gladioli. **November 10.**—Spiraea and Lily of the Valley, new crop Tuberose.

Our Terms: Are strictly cash with order. We prefer not to send C. O. D., but if wanted by that method customers should enclose $\frac{1}{4}$ of the amount in remittance with order.

How to Send Money: Send cash with order (as we do not open book accounts for small amounts, and can only send to the value of money received), by New York or Chicago Draft, Registered Letters, or Postoffice or Express Money Order; all are cheap and absolutely safe. Small postage stamps are taken as cash, but we prefer larger denominations, such as fives, tens or fifteens. Registered letters can be sent from any postoffice, and your receipt sent you by return mail, by which you know it has reached us. If local checks are used 25 cents must be added to cover the cost of collecting. Make money order payable to "Vaughan's Seed Store."

Our Responsibility: It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially one like seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell. At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if immediately advised. Or seeds may be returned. See below.

We wish it understood that all our seeds are sold under the following general non-warranty:
We Do Not Warrant in any way, expressed or implied, the contents or the description, quality, productiveness or any other matter of any seeds, bulbs, plants, shrubs, or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to above conditions, we make this sale at the moderate prices at which we sell our goods.

VAUGHAN'S SEED STORE, Incorporated

31-33 W. Randolph St., CHICAGO

VAUGHAN'S SEED STORE

25 Barclay Street, NEW YORK

Greenhouses, Trial Grounds and Nurseries, Western Springs, Illinois

Copyright, 1912, by Vaughan's Seed Store

BULBS FOR NATURAL EFFECTS

NARCISSUS, CROCUS, SCILLAS, SNOWDROPS

AND OTHERS FOR WILD GARDEN EFFECTS

For planting in woodlands, meadows and along streams, these fall-planted bulbs are coming into favor more rapidly every year as their merit becomes better known. These bulbs, when planted in clumps in a sheltered, sunny spot, will produce a mass of color in the early spring, when the rest of nature is asleep. When once planted, they remain for years, the clumps increasing in size and vigor.

As the *Price of these Bulbs is Low*, everyone should plant a few.

Below we give some suggestions for planting.

For descriptions of these Bulbs we refer you to pages two to twenty of this catalogue.

FOR MEADOWS AND ALONG STREAMS

	Per 100	1000
<i>Crocus, Named Varieties</i>	\$0 80	\$ 7 00
“ <i>Mixed Colors</i>	60	4 50
<i>Narcissus, Single Poeticus</i>	80	7 00
“ <i>Barri Conspicuus</i>	1 15	9 00
“ <i>Incomparabilis</i>	1 25	10 00
“ <i>Mrs. Langtry</i>	1 25	10 00
“ <i>Cynosure</i>	1 15	9 00
“ <i>Double Von Sion</i>	1 75	16 00
“ “ <i>Incomparable</i>	1 25	10 00
<i>Tulips Late Flowering, Vaughan's Special</i>		
<i>Mixed</i>	1 50	12 00
<i>Tulips, Darwin, Vaughan's Special Mixed</i>	1 75	15 00

SCILLAS IN THE WOODLAND

FOR WOODLANDS

	Per 100	1000
<i>Crocus, Named Varieties</i>	\$0 80	\$ 7 00
“ <i>Mixed Colors</i>	60	4 50
<i>Eranthus Hyemalis</i>	80	7 00
<i>Lily of the Valley</i> , clumps..... per doz., \$3 50.....	25 00	....
<i>Scilla Siberica</i>	1 10	8 50
<i>Trillium Grandiflorum</i>	3 00	25 00

FOR PLANTING on the LAWN

	Per 100	1000
<i>Crocus, Named Varieties</i>	\$0 80	\$ 7 00
“ <i>Mixed Colors</i>	60	4 50
<i>Chionodoxa Lucillae</i>	1 25	10 00
“ <i>Sardensis</i>	1 25	10 00
<i>Grape Hyacinths, Alba</i>	1 00	8 00
“ “ <i>Blue</i>	75	5 00
“ “ <i>Feathered</i>	1 15	9 00
<i>Scilla Siberica</i>	1 10	8 50
<i>Snowdrops, Single</i>	80	7 00
“ <i>Double</i>	1 50	12 00
“ <i>Giant Elwesii</i>	80	7 00

REMEMBER

IT is the wish and pride of Vaughan's Seed Store to help. For the past thirty-four years we have proved to our customers that our Bulbs are sound, true to name and of good flowering size. Our sources of supply are the best in this country as well as abroad, and we only ask that those who have never tried our bulbs will do so this season. There are but few flowers that have more beauty than those that are produced from Bulbs.

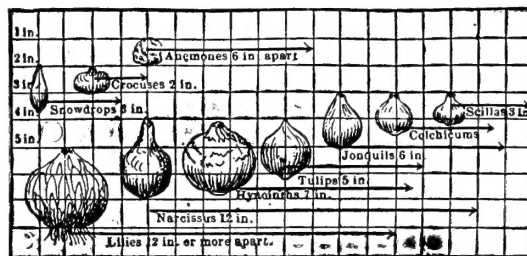
VAUGHAN'S SEED STORE, Chicago, Ill.

ALGONA, IA., May 13, 1912.

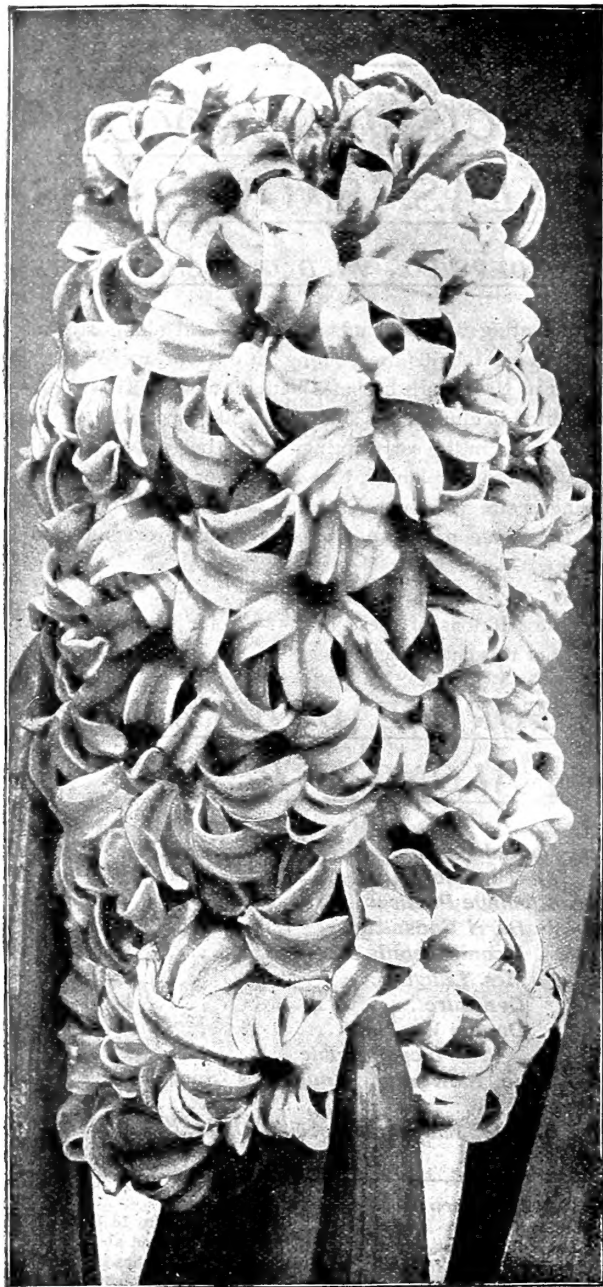
The Tulips I got of you last Fall are gorgeous, and about half the people in town have been to see them. Your firm has certainly got some advertising through them.

A. E. KENNEDY,

See *Vaughan's Flower Bulbs* for cultural instructions, Free with every order of \$1.00 and over.



Depth at Which Bulbs Should Be Planted.—Many of our customers are frequently puzzled to know the proper depth and distance apart at which bulbs should be planted. The accompanying diagram, reproduced from *Popular Gardening*, conveys the information much more clearly and briefly than we could describe it. The chart will bear careful study. *Outdoor planting should be done early* in the fall to secure healthy plants, vigorous foliage and beautiful flowers.



SINGLE DUTCH HYACINTH—FIRST SIZE NAMED

SINGLE BLUSH WHITE

	Each.	Doz.	100
2 <i>General Vetter</i> . Blush white; truss of enormous size.....	10	1 00	7 00
2 <i>Grandeur a Merveille</i> . Large spike of blush-white bells.....	10	1 00	7 00

SINGLE LIGHT BLUE AND PORCELAIN

	Each.	Doz.	100
2 <i>Captain Boynton</i> . Sky blue; large spike.....	12	\$1 20	\$8 00
3 <i>Enchantress</i> . Delicate porcelain blue.....	12	1 20	8 00
2 <i>Grand Maitre</i> . Deep porcelain blue; extra fine.....	10	1 00	7 00
2 <i>Grand Lilas</i> . Silvery porcelain and lavender.....	10	1 00	7 00
2 <i>Johan</i> . Large light blue bells.....	11	1 20	8 00
2 <i>Potgieter</i> . Light blue; very fine.....	10	1 00	7 00
4 <i>Queen of the Blues</i> . Light blue; splendid variety.....	10	1 00	7 00
2 <i>Schotel</i> . Pale porcelain blue; large bells.....	10	1 00	7 00

RAINBOW HYACINTH COLLECTION FOR WINDOW GARDEN

Red (Robert Steiger). Pure White (L'Innocence). Light Blue (Grand Maitre). Dark Blue (King of the Blues). Yellow (Ida).

We have selected from the list of varieties on this page a few of the best of each color suitable for culture in pots and glasses and offer them in collections at a reduction from the regular price.

The following are the varieties selected—Pink (Lady Derby).

VAUGHAN'S SELECTED SINGLE FIRST SIZE

DUTCH HYACINTHS

The Hyacinth is one of our most popular bulbs for effective beds outdoors as well as growing in the house in pots. They are very decorative. Their brilliant colors and delightful fragrance have a warm spot in every flower-lover's heart.

CULTURAL DIRECTIONS

HYACINTHS IN POTS.—It is important in the pot culture of Hyacinths to have rich, light soil. If the bulbs are to be potted singly, 5-inch pots are the proper size. Cover the hole in the pot with a piece of broken pot, and over this place a layer of moss which will keep the soil from clogging the drainage thus provided. Break off any offsets which appear at the base of the bulbs, and, in potting, place each bulb so that its top shall be half an inch below the surface of the soil and an inch below the rim of the pot. Use a 5-inch pot for single bulb or four in a 6-inch pot. Give a good watering, and set away in a cool place, covering them with about 3 to 5 inches of coal ashes or sand. Let them remain here for eight or ten weeks, bringing them to the light as wanted.

HYACINTHS IN GLASSES.—The single varieties are, with a few exceptions, best adapted to this mode of culture. They produce finer flower spikes than the double. Fill the glass with clear soft water, so as nearly to touch the base of the bulb, putting a small piece of charcoal in each glass to keep the water pure and afford some nourishment. The filled glasses should be placed in a dry, cool, dark place, and kept there until the roots almost touch the bottom of the glass, when they may be exposed gradually to the light. If the water in the glasses becomes foul or diminished, replace it with fresh water.

GARDEN CULTURE.—Bulbs may be planted from September to December in any good, well-drained garden soil, which has previously been well enriched and dug from 12 to 18 inches. Bulbs should be set 6 inches apart and 6 inches deep. Before the ground freezes, cover the beds with material, such as leaves, straw, pine branches, etc., to a depth of 4 inches. Do not uncover too early in Spring.

NOTE.—If to go by mail, add at the rate of 20 cents per dozen for postage. Prices on single bulbs include postage.

The figures before the names of the Hyacinths indicate the relative time of flowering; that is, the 1's flower together and are the earliest, No. 4 being the latest.

SINGLE RED AND ROSE

	Each.	Doz.	100
1 <i>Fireball</i> . Dark red; very fine.....	\$0 11	\$1 10	\$7 50
1 <i>Garibaldi</i> . Rich, glossy crimson, splendid spike.....	12	1 20	8 00
1 <i>General Pelissier</i> . Deep crimson, large truss.....	11	1 10	7 50
3 <i>Gertrude</i> . Rosy pink, fine compact truss.....	10	1 00	7 00
3 <i>Robert Steiger</i> . Deep crimson, splendid sort.....	10	1 00	7 00
3 <i>Roi des Belges</i> . Dark red; splendid bedder.....	10	1 00	7 00
4 <i>Rosea Maxima</i> . Delicate rose; extra fine spike.....	10	1 20	8 00
3 <i>Vuurbaak</i> . Brilliant red.....	10	1 20	8 00

SINGLE PINK AND BLUSH

	Each.	Doz.	100
1 <i>Baron van Thuyll</i> . Pale rose; very early.....	10	1 00	7 00
4 <i>Cardinal Wiseman</i> . Rosy pink; large spike.....	10	1 00	7 00
2 <i>Fabiola</i> . Salmon pink.....	10	1 00	7 00
2 <i>General de Wet</i> . Light pink; large spike.....	12	1 20	8 00
2 <i>Gigantea</i> . Blush-pink; large bells and spike.....	10	1 00	7 00
1 <i>Lady Derby</i> . Delicate pink.....	12	1 20	8 00
3 <i>L'Ornement Rose</i> . Soft flesh-pink.....	12	1 20	8 00
2 <i>Moreno</i> . Bright pink; large bells and tall spike.....	12	1 20	8 00
3 <i>Rose a Merveille</i> . Bright, pleasing pink.....	10	1 00	7 00

SINGLE PURE WHITE

	Each.	Doz.	100
2 <i>Albertine</i> . Pure white; fine spike.....	10	1 00	7 00
2 <i>Angenis Christiana</i> . Snow white; extra fine spike.....	12	1 20	8 00
1 <i>Baroness van Thuyll</i> . Pure white; fine early variety.....	10	1 00	7 00
2 <i>Blancheura Merveille</i> . One of the best pure whites.....	10	1 00	7 00
3 <i>La Grandesse</i> . Purest snow white spike; large bells.....	14	1 35	9 00
3 <i>L'Innocence</i> . A very fine pure white.....	12	1 20	8 00
3 <i>Madam van der Hoop</i> . Pure white; large bells.....	10	1 00	7 00
3 <i>Mina</i> . Pure white.....	10	1 00	7 00
1 <i>Mont Blanc</i> . Very early; snow white.....	15	1 60	10 00
3 <i>Queen of England</i> . Pure white; fine spike.....	12	1 20	8 00

SINGLE DARK BLUE AND PURPLE

	Each.	Doz.	100
1 <i>Baron van Thuyll</i> . Dark blue; early.....	10	1 00	7 00
4 <i>King of the Blues</i> . Dark, glossy, indigo blue.....	12	1 20	8 00
2 <i>Marie</i> . Dark violet blue.....	10	1 00	7 00
2 <i>Pieneman</i> . Dark porcelain; large bells.....	10	1 00	7 00
1 <i>William I</i> . Dark blue; very early.....	10	1 00	7 00

SINGLE YELLOW AND ORANGE

	Each.	Doz.	100
2 <i>Ball of Gold</i> . Pure yellow ball-shaped flower.....	10	1 00	7 00
2 <i>Buff Beauty</i> . Buff orange-yellow; enormous truss.....	10	1 00	7 00
3 <i>Ida</i> . Canary yellow.....	10	1 00	7 00
4 <i>King of the Yellows</i> . Rich, deep yellow; large bells.....	12	1 20	8 00
4 <i>La Citroniere</i> . Citron-yellow.....	10	1 00	7 00
4 <i>MacMahon</i> . Pure yellow; handsome spike.....	12	1 20	8 00
3 <i>Yellow Hammer</i> . Golden yellow; splendid spike.....	12	1 20	8 00

PREPAID PRICES, RAINBOW HYACINTH COLLECTION

6 Bulbs, one of each variety.....	\$ 60
12 Bulbs, two of each variety.....	1 15
24 Bulbs, four of each variety.....	2 20
48 Bulbs, eight of each variety.....	4 30

VAUGHAN'S SELECTED

FIRST SIZE DOUBLE

DUTCH HYACINTHS

While grown by many, Double Hyacinths do not produce as large a spike as the single sorts, especially when grown in water, yet they are exceedingly beautiful and deserve a place in every garden and home. The varieties we offer below are known to us by actual tests at our trial grounds to be the most satisfactory kinds.

DOUBLE RED AND ROSE

	Each.	Doz.	100
Bouquet Royal. Pink; fine spike, early.....	\$0 10	\$1 00	\$7 00
Bouquet Tendre. Carmine; medium early.....	10	1 00	7 00
Chestnut. Bright rose.....	12	1 20	8 00
Lord Wellington. Blush pink; large spike.....	12	1 20	8 00
Princess Alexandra. Bright, deep rose, with purplish red center.....	10	1 00	7 00
President Roosevelt. Very lively pink; large spike.....	12	1 20	8 00

DOUBLE PURE WHITE AND BLUSH

Bouquet Royal. Pure white; large fine spike.....	10	1 00	7 00
Flevo. Pure white.....	10	1 00	7 00
Isabella. White, suffused with rosy blush.....	12	1 20	8 00
La Grandesse. Splendid snow-white, the best double white.....	14	1 35	9 00
Prince Metternich. Blush white.....	12	1 20	8 00

DOUBLE BLUE, LAVENDER AND PURPLE

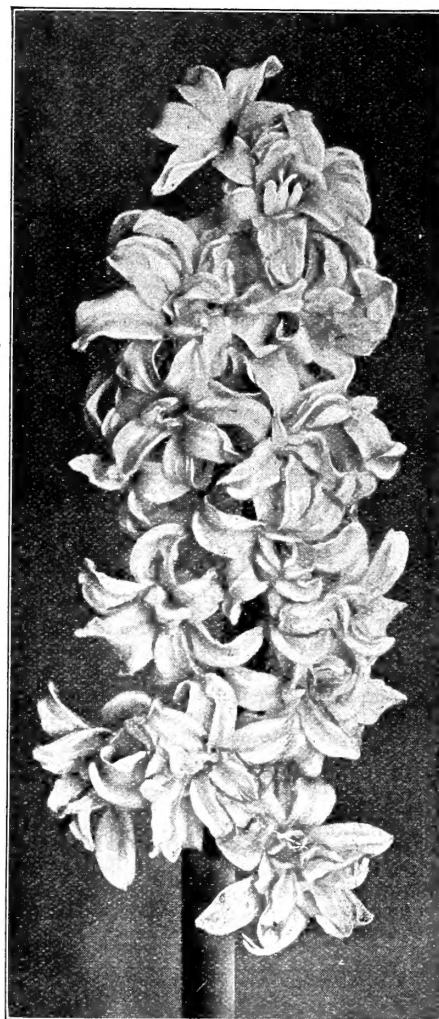
Blocksberg. Bright porcelain-blue, shaded dark blue.....	10	1 00	7 00
Delicate. Porcelain blue.....	12	1 20	8 00
Garrick. Clear bright blue; large spike.....	10	1 00	7 00
General Antinck. Dark porcelain blue.....	10	1 00	7 00
General Kohler. Best double blue; very fine for pots.....	12	1 20	8 00
Prince Saxe-Weimar. Semi-double; late; dark blue.....	10	1 00	7 00

DOUBLE YELLOW

Bouquet d'Orange. Dark, reddish orange.....	12	1 20	8 00
Goethe. Orange-yellow.....	12	1 20	8 00
Sunflower. Splendid deep buff-yellow.....	12	1 20	8 00

The book "Flower Bulbs and How to Grow Them," profusely illustrated, given free with every purchase of bulbs amounting to \$1.00 or more.

Price of book 25 cents.



SPIKE OF DOUBLE HYACINTHS

VAUGHAN'S MONSTER TOP ROOT HYACINTHS

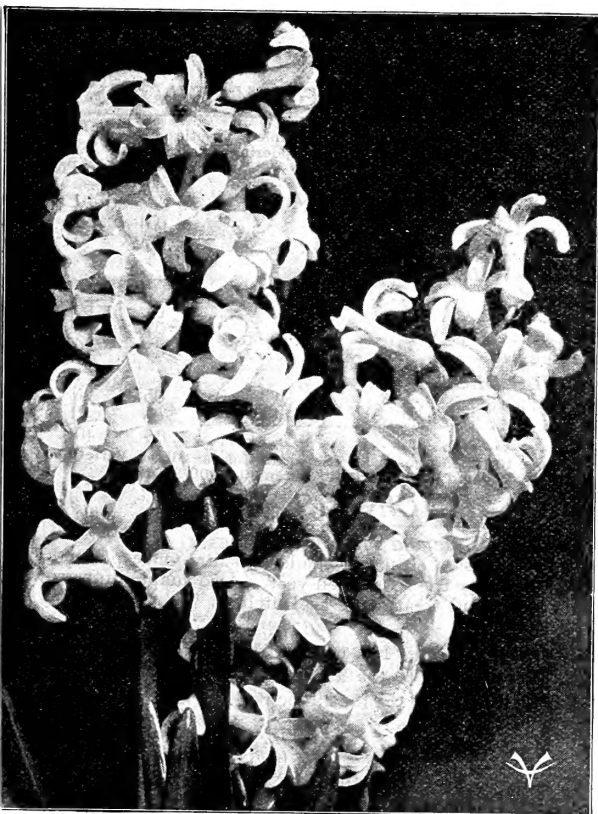
A number of our customers who do fancy Hyacinth growing always require some of the largest and finest bulbs that can be obtained. For this purpose we have arranged with our Holland growers to get the very largest and most perfect solid, sound bulbs. They can be depended upon to give extra large and well-developed spikes of bloom, fit for exhibition and special ornament. We offer these in single varieties only. Our selection. Each 20c; per doz. \$2.00; per 100 \$15.00.

FRENCH ROMAN HYACINTHS

These beautiful Hyacinths are indispensable to the florist in his fall and winter cut-flower work, while to the amateur they are among the most easily cultivated and most satisfactory of flowering bulbs. The white variety, if planted early in September and slowly forced, will bloom in November; the others require from two to three weeks longer. When grown in pots or pans, they are most effective planted in groups of six or more bulbs in each. They are not hardy, and will not stand outdoor planting.

Dozen Lots: If wanted by mail, add 8c per dozen for postage.

	Each.	Doz.	100
White. First Size.....	\$0 05	\$0 50	\$3 50
Blue.	04	35	2 50
Light Pink.	04	35	2 50
Dark ".....	04	35	2 50
White Italian. Red skinned.....	04	35	2 50



FRENCH ROMAN HYACINTHS



VAUGHAN'S "MEDIUM" MIXED BEDDING HYACINTHS

COLORS SEPARATE. SINGLE AND DOUBLE VARIETIES

Add 1c per Bulb or 12c per Dozen to prices named below for Postage.

Good sized flowering bulbs 15 centimeters (5¾ in.) and upwards in circumference, much larger than the Mixed Hyacinth bulbs usually sent out. They are well adapted for open ground planting in mixed borders and informal beds, and on account of their low price are also extensively forced for winter-blooming and cutting.

	Each.	Doz.	100	1000
Blue, all shades.....	\$0 05	\$0 45	\$3 30	\$ 30 00
Light Blue.....	05	45	3 30	30 00
Red and Rose.....	05	45	3 30	30 00
Rose.....	05	45	3 30	30 00
Pure White.....	05	45	3 30	30 00
White, all shades.....	05	45	3 30	30 00
Yellow.....	05	45	3 30	30 00
All Colors Mixed.....	04	40	3 00	28 00

VAUGHAN'S FANCY HYACINTHS FOR BEDDING AND FORCING

This is a grade of Mixed Hyacinths which we annually import, paying the highest prices known for mixed varieties. The bulbs measure from 16 to 18 centimeters in size, plump and sound, and are selected from the best named varieties suitable for this purpose.

We offer in separate colors, each color being made up from varieties of about the same shade, and will produce spikes very even in height and size. To those who do not wish to pay the highest price for best named Hyacinths, we especially recommend this grade both for pots and outdoors. We offer these fancy mixed bulbs in **singles** only, these being much more desirable.

Add 1c per bulb, or 12c per dozen to prices named below for postage.

	Each.	Doz.	100	1000
Blue, all shades.....	\$0 06	\$0 65		\$40 00
Light Blue.....	06	65		40 00
Red and Rose.....	06	65		40 00
Rose.....	06	65	\$4 25	40 00
Pure White.....	06	65		40 00
White, all shades.....	06	65		40 00
Yellow.....	06	65		40 00
All Colors Mixed.....	05	55		38 00

DUTCH ROMANS or MINIATURE HYACINTHS

Splendid for growing in pots, pans or boxes. Bulbs being selected from named varieties, are fully matured. Although naturally small in size they give very large spikes of bloom, considering size of bulb. Five or six bulbs planted in an eight-inch pan makes a splendid show.

SINGLE RED AND ROSE.

	Each.	Doz.	100
Charles Dickens. Pink.....	\$0 05	\$0 40	\$2 75
Gertrude. Clear rose.....	05	40	2 75
Gigantea. Blush pink.....	05	40	2 75

SINGLE WHITE

	Each.	Doz.	100
Baroness Van Thuyll. Pure white.....	05	40	2 75
La Grandesse. Snow white.....	07	50	3 00
L'Innocence. Purest white.....	07	50	3 00
Mme. Vanderhoop. Pure white; large bells.....	05	40	2 75

SINGLE BLUE

	Each.	Doz.	100
Charles Dickens. Bright blue.....	05	40	2 75
Grand Maitre. Deep porcelain.....	05	40	2 75
Queen of the Blues. Light Blue.....	05	40	2 75

SPECIAL OFFER "M."—One each of the above 10 for 45c postpaid. Separate Colors—Mixed Varieties: Pure White, Blue, Light Blue, White and Blush, Red and Rose, Each 3c; dozen 30c; 100 \$2.00.

GRAPE HYACINTHS

Hardy as an Oak. Splendid for Naturalizing

Beautiful little flowers for planting in masses either in shade or sun. Once planted they multiply rapidly and send up flower stems by the score each year. Also adapted for growing indoors. Plant six bulbs in a five-inch pot and treat same as Dutch Hyacinths.

Improved Blue. 5c for 3; 15c per doz.; 75c per 100, postpaid.

Snow-White. This is a beautiful companion to the above, and they make a striking show when planted together. 5c for 2; 25c per doz.; \$1.25 per 100, postpaid.

HYACINTH GLASSES

Hyacinths can be grown readily in water, giving good spikes.

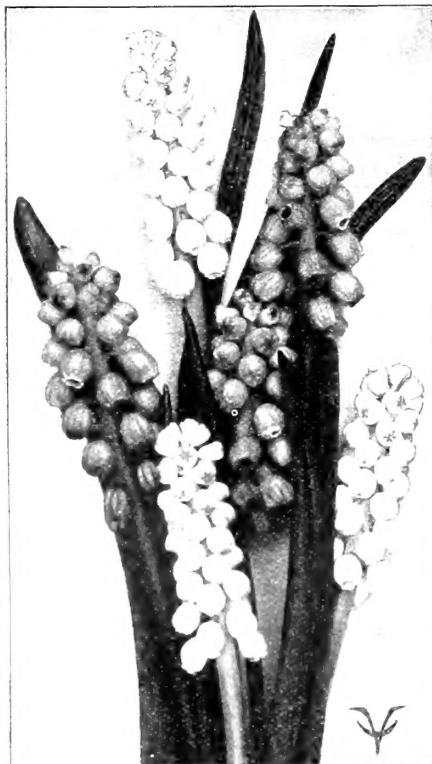
Two styles of glasses are used for this. Cannot be mailed.

Belgian, Tall. Each 25; doz....\$2 50 **Tye Shape.** Each 25c; doz....\$2 50



TYE SHAPE

BELGIAN



GRAPE HYACINTHS



COURONNE d'OR

DOUBLE YELLOW

	Each.	Doz.	100	1000
10a <i>Couronne d'Or</i> (Crown of Gold). Beautiful rich, golden yellow; fine forcer.....	04	40	2 30	21 00
8a <i>Tournesol Yellow</i> . Bright yellow, slightly shaded orange; very fine for cutting or pan culture.....	04	35	2 25	20 00
9b <i>Yellow Rose</i> . Rich yellow; very fragrant.....	03	25	1 35	11 00

DOUBLE UNNAMED TULIPS

(For Bedding Only)

These make a fine effect where a solid color is desired, and as their cost is not so much as the named varieties, we are sure our customers will be pleased with their results.

White, Pink, Red, Yellow, Striped. Doz. 30c; per 100 \$1.50; per 1000 \$14.00.

VAUGHAN'S SPECIAL DOUBLE TULIP MIXTURE

This mixture we make up ourselves from the best named varieties and with such that will bloom about the same time, and of about the same height. Do not compare this mixture with regular mixtures which are made up by the Holland growers of the cheap sorts.

Doz. 30c; per 100 \$1.75; per 1000 \$16.00.

REGULAR MIXTURES

These are sent out as received from our Holland growers and cannot of course be depended upon to give as uniform results as Vaughan's mixtures. We insist, however, on their being equally proportioned as to color and of same period of blooming

Extra Fine Double Mixed 25c per doz.; \$1.25 per 100; 250 for \$2.75; 1000, \$10.00.

Fine Double Mixed. 15c per doz.; 90c per 100; \$8.00 per 1000.

NOVELTIES IN DOUBLE TULIPS

	Each.	Doz.	100
<i>Boule de Neige</i> (Purity). Pure white large peony-like flowers.....	\$0 07	\$0 75	\$6 00
<i>Brimstone Beauty</i> . Beautiful, large-flowering Double Tulip; opening pale yellow flushed salmon and turning to a rosy apricot.....	06	65	5 00
<i>Rosea Perfecta</i> . Rosy red striped white; very striking flower.....	10	80	7 00
<i>Schoonoord</i> . Beautiful snow-white sport of Murillo.....	07	75	6 00

SPECIAL OFFER D: Two each of above 4 varieties, 55c postpaid; 3 of each (1 dozen bulbs), 75c postpaid.

**VAUGHAN'S EARLY
DOUBLE TULIPS**

What we have said in the beginning about Single Tulips applies also to the Double Tulips with their mammoth peony-like flowers of brilliant and beautifully diversified colors. They are very effective in beds on lawns and terraces. The flowers last much longer in bloom than the single varieties, and consequently, when single and double are planted in one bed, the time of flowering is prolonged from two to three weeks. The early sorts do very well when grown in pots for winter blooming, but they must be forced more slowly than the single early Tulips.

EXPLANATORY: The number preceding the name of the variety denotes the height in inches, while the letters *a* and *b* indicate their earliness of bloom—the *a*'s flower together and are the earliest; the *b*'s flower together but are somewhat late.

Prices for single bulbs include postage; the dozen and 100 rates are by express at the purchaser's expense. 25 bulbs at 100 rate; 250 bulbs at 1000 rate. By mail, add 5c per dozen for postage.

DOUBLE WHITE

	Each.	Do.	100	1000
10b <i>Alba Maxima</i> . The finest double white.....	\$0 03	\$0 25	\$1 50	\$12 00
10b <i>La Candeur</i> . Pure white; fine bedder.....	04	30	1 60	13 50
8b <i>Rose Blanche</i> . White; good bedder.....	03	25	1 35	11 00

DOUBLE PINK

10b <i>Couronne des Roses</i> (Crown of Roses) Beautiful bright pink, fine forcer..	05	50	3 25	28 00
10b <i>Lord Beaconsfield</i> . Deep rose; the shape of the flower resembles a Giant Ranunculus.....	04	40	2 60	24 00
8b <i>Lord Roseberry</i> . Delicate pink....	04	35	2 25	20 00
7a <i>Murillo</i> . Large pink sort suffused with white.....	02	20	1 25	11 00
7a <i>Murillo</i> . Fancy bulbs.....	03	30	1 55	13 00
8b <i>Salvator Rosa</i> . Beautiful deep rose.....	04	35	2 25	20 00

DOUBLE RED

6a <i>Duc Van Thol</i> . Scarlet; very early..	03	25	1 35	11 00
9a <i>Imperator Rubrorum</i> . Bright scarlet; showy.....	04	35	2 25	20 00
10b <i>Purpur Kroon</i> . Dark red.....	03	25	1 30	12 50
8b <i>Pæony Red</i> . Dark scarlet; very late.....	04	30	1 60	14 00
8b <i>Rex Rubrorum</i> . Deep scarlet.....	04	35	1 80	16 50
8b <i>Rubra Maxima</i> . Dazzling scarlet; splendid bedding variety.....	04	30	1 60	13 50
9b <i>Vuurbaak</i> . Bright scarlet with slight flush of orange when fully open....	04	40	2 30	21 00

DOUBLE STRIPED OR OTHERWISE COLORED

6a <i>Duc Van Thol</i> . Red and yellow....	02	20	1 15	9 00
9b <i>Duke of York</i> . Red with white border.....	03	30	1 55	13 00
9a <i>Gloria Solis</i> . Bright scarlet with deep yellow border.....	03	30	1 75	15 00
9b <i>Pæony Gold</i> . Red and gold.....	04	30	1 60	13 00
9a <i>Rosine</i> . White tinged rose.....	04	35	2 00	18 00
8b <i>Titian</i> . Scarlet edged yellow.....	03	30	2 00	17 50
8a <i>Tournesol</i> . Red and yellow; very showy.....	04	40	2 50	22 50



RUBRA MAXIMA



SINGLE LATE OR MAY-FLOWERING TULIPS

VAUGHAN'S LATE or MAY-FLOWERING TULIPS

The past two seasons have proven to us that Tulips of this class are being planted in large quantities. They well deserve the popularity they have gained, not only on account of their length of stem, size of flower and lasting qualities, but also from the fact that, blooming as they do in the latter part of May, they prolong the Tulip season. They do not supplant early Tulips for forcing, but for mixed gardens, massing in the perennial border, or planting in clumps, or where they are not disturbed, they will prove, with their brilliancy of color, a great source of satisfaction.

Prices on Single Bulbs include postage by us. The dozen and 100 rates are by express at purchaser's expense.

	Each.	Doz.	100	1000
Beauty of America , pale yellow chang- ing to white, with red border.....	\$0 03	\$0 30	\$1 75	\$15 00
Bridesmaid , brilliant cherry, rose-flushed, striped with scarlet, violet and white.....	03	25	1 50	12 00
Bizards , mixed; flowers beautifully blotched, striped and feathered with crimson, pink, scarlet, rose, lilac and purple, on yellow ground.....	03	25	1 50	12 00
Bouton d'Or , the finest and deepest golden yellow Tulip; splendid for cutting; flowers are a handsome globe-shape.....	04	35	1 80	16 00
Bybloems , on white ground, blotched, striped or feathered with lilac, purple, violet, blue.....	03	30	1 60	13 00
Caledonia , beautiful globe-shaped flower of a bright orange-red color; height 20 in.	03	30	1 75	15 00
Columbus , rich, velvety crimson with gold stripe, a most striking and attractive color; height 16 inches.....	10	1 00	8 00	75 00

	Each.	Doz.	100.	1000.
Fairy Queen , a very large and beautiful flower of rosy heliotrope, broadly margined with yellow; height 20 in.	04	40	2 30	20 00
Gesneriana Lutea , beautiful yellow, tall and handsome.	04	40	2 30	20 00
Gesneriana Major (<i>Spathulata</i>), fall-growing, late-blooming Tulip, one of the finest in cultivation. The flowers are as large as coffee cups and borne on stout stems nearly 18 inches from the ground. The color is brilliant crimson-scarlet with a large peacock-blue blotch in the centre, and of very strong fragrance.....	03	30	1 75	15 00
Isabella (<i>Shannon Bells</i>), a beautiful variety with large, handsome flowers borne on long stems. Color primrose, flushed rose, changing to rose-carmine; height 15 in.	03	25	1 50	12 00
Inglescombe Pink , extra fine flower of a beautiful salmon pink shaded with blue base.....	04	40	2 30	20 00
Inglescombe Scarlet , brilliant vermilion with a black base; height 16 inches.....	06	50	3 00	26 00
Inglescombe Yellow , a fine, large, globe-shaped flower; color, full, rich yellow; sometimes called Yellow Darwin	07	75	6 00	50 00
La Merveille , extra large fragrant flower, color scarlet, suffused with apricot-orange.....	03	25	1 50	12 00
Macrospila , a glowing crimson-scarlet with deep zone of black and yellow; splendid for cutting.....	03	25	1 50	12 00
Maiden's Blush , a long-shaped flower, pure white, with beautifully recurved petals, margined rose, height 20 in.	03	30	1 60	13 00
Mrs. Moon , a magnificent Tulip with large, rich, golden-yellow flowers; the finest late-flowering yellow.....	06	65	5 00	45 00
Parisian White , pure white, changing to silvery-pink; beautiful globe-shaped flowers.....	05	45	1 90	17 00
Parisian Yellow , large, handsome, clear yellow flowers, borne on long stems; fine for cutting.....	03	30	1 75	15 00
Sweet Nancy , pure white, margined and pencilled on the edges with pink.....	03	25	1 50	12 00



PARROT TULIPS

MAY-FLOWERING TULIP COLLECTIONS

In order to enable our customers to make a trial of these splendid Tulips, we offer below a few collections:

1 each of the 21 sorts for	75c postpaid.
2 each of the 21 sorts for.....	\$1.75 postpaid.
3 each of the 21 sorts for.....	2.50 postpaid.

VAUGHAN'S MAY-FLOWERING TULIP MIXTURE

This mixture contains many of the above named sorts and other new and rare varieties. We mix it ourselves and know just what it contains. The result from a planting of 100 bulbs will be dazzling, and we strongly advise our customers to order at least this many bulbs. 30c per doz.; 55c for 25; \$1.80 per 100; \$4.25 for 250; \$15.00 per 1000.

Vaughan's Bulb Book Free with any order of \$1.00 and over.

PARROT OR DRAGON TULIPS

Their fringed and corrugated petals with their wonderful variation make these the most brilliant and the most curious of all Tulips. Flowering at the same time as other late sorts, they are entirely distinct from any other; the flowers are thick-petaled with extra long stems, and keep extremely well after being cut.

	Each.	Doz.	100	1000
Admiral de Constantinople . Red, tipped orange.....	\$0 03	\$0 25	\$1 50	\$12 00
Lutea Major . Bright yellow; large flower.....	03	25	1 50	12 00
Markgrave . Yellow, striped scarlet and green.....	03	30	1 75	15 00
Perfecta . Yellow, striped red.....	03	25	1 50	12 00
Couleur Cafe . Brown and yellow.....	03	25	1 50	12 00
Cramoisie Brilliant . Deep crimson with large black star-shaped center.....	05	45	1 90	16 00
Gloriosa . Red and yellow.....	03	25	1 50	12 00
Superfine Mixed	03	20	1 25	10 00
SPECIAL OFFER (P) .—7 Parrot Tulips, one each of above Named Varieties, post-paid for 20c; 6 of each, 42 bulbs in all, 75c, by express at purchaser's expense.				

DARWIN TULIPS



DARWIN TULIPS

These globe-shaped flowers, with their long stems and their bright colors, running from white through all shades of pink and purple to the most fiery scarlet, form exquisite material for the garden and for floral decorations. Another notable characteristic of them is that, when looking into the flowers they are just as beautiful, and in some instances even more attractive than when looking at the outside of them. Planted in the herbaceous border, they make a great show in late May and early June. Darwin Tulips may also be forced in pots, provided it is done slowly. The number of varieties of this splendid Tulip is very large, and we have selected from those offered only such varieties as we consider to be the best.

Baronne de la Tonnaye. Bright rose, margined blush rose; long, large flower, beautifully shaped, height 26 inches...	Each.	Doz.	100	1000
	\$ 05	\$0 50	\$3 00	\$26 00
Bartigon. A beautiful variety, very large flowers of fiery crimson; height 22 inches.....	05	50	3 00	25 00
Bronze Queen. Soft, golden yellow bronze; height 26 inches.	10	90	6 00	50 00
Clara Butt (see cover). Soft, salmony-pink tinged with blush; splendid variety; height 21 inches.....	06	55	3 50	30 00
Dream. Beautiful, soft, uniform lilac; large flower, height 26 in.	06	55	3 50	30 00
Europe. Glowing salmon-scarlet, shaded rose; very fine flower, height 22 in.	06	55	3 50	30 00
Farncombe Sanders. Fiery rose-scarlet, inside vivid cerise-scarlet with white center marked blue; flowers perfect shape, height 25 inches.....	08	70	4 50	40 00
Flambeau. Brilliant, rosy scarlet with blue base; very showy; height 26 in..	08	70	4 50	40 00
Glow. Brilliant, glowing vermillion, white base with blue markings; height 23 inches	05	50	3 00	25 00
Glory. Cherry-red; height 24 inches.....	06	55	3 50	30 00
Gretchen (see cover). Silvery-pale, rose-flushed white, inside soft pink with white center marked blue; height 24 inches.....	04	30	1 75	15 00
Kate Greenaway. White, slightly flushed lilac-rose; height 24 inches.....	08	75	5 00	.....
Leonardo da Vinci. Shining violet-black; height 25 inches.....	06	55	3 50	30 00
May Queen. Soft lilac-rose with white center; height 24 inches.....	06	55	3 50	30 00
Mme. Krelage. Bright lilac-rose, margined pale silvery-rose; inside soft rose-pink; very large flower, height 28 inches.....	08	70	4 50	40 00
Mrs. Cleveland. Beautiful delicate flesh color; height 22 inches.....	08	70	4 50	40 00
Pride of Haarlem (see cover). Bright rose suffused with purple; an enormous flower, unsurpassed for groups because of its fine color and stately habit; height 28 in..	05	50	3 00	25 00
Prof. Rauwenhoff. Cherry rose with ivory-white and blue base; height 28 inches.	10	1 00	8 00	.....
Painted Lady. Creamy white, faint tinge of heliotrope on opening; height 27 in.	Each.	Doz.	100	1000
	06	60	4 00	35 00
Psyche. Soft rose; height 26 inches.....	10	1 00	8 00	.....
Rev. H. Ewbank. Vivid heliotrope-lilac, slightly bordered; height 20 inches...	08	70	4 50	40 00
Salmon King (See cover). Salmon-rose shaded rose; very pretty; height 22 in.	04	35	2 50	20 00
Sieraad van Flora. Bright red with blue base; height 24 inches.....	07	75	5 00	.....
Suzon. Soft pink with blush-white margin; height 24 inches.....	10	1 00	8 00	.....
Sultan (see cover). Glossy maroon-black; height 25 inches.....	04	30	1 75	15 00
Velvet King. Dark, glossy, royal purple, with white base marked blue; very large flower; height 25 inches.....	35	3 50	25 00	.....
Wedding Veil. Creamy white, flushed lilac, with clear white base, black markings.....	06	55	3 50	30 00
William Pitt. Very dark scarlet with purple shade on the outer petals; large flower; height 22 inches.....	06	60	4 00	35 00
White Queen (see cover.) White passing to pink; height 24 inches.....	05	50	3 00	25 00
Zulu. Rich, velvety, purple-black; large egg-shaped flowers; height 27 inches..	15	1 40	10 00	.....

VAUGHAN'S SPECIAL DARWIN MIXTURE

This mixture contains many of the above named sorts and other new and rare varieties. We mix it ourselves and know just what it contains. Try a dozen bulbs and convince yourself.

Per dozen, 35c; per 100, \$1.90; per 1000, \$16.00.

REGULAR MIXTURE

We receive our supply of this mixture from a Holland grower who makes a specialty of growing Darwin Tulips. They of course cannot be depended upon to give as uniform results as Vaughan's Special Mixture. Per dozen, 25c; per 100, \$1.50; per 1,000, \$12.00.

1912 COVER COLLECTION

Two each of the six fine Tulips shown on front cover of this catalogue (12 bulbs) 50c postpaid.

VAUGHAN'S SPECIAL OFFERS

DARWIN TULIPS

A.B.—1 each of above 30 sorts.....	\$2.15	C.D.—3 each of above 30 sorts.....	\$ 7.50
B.C.—2 each of above 30 sorts.....	4.00	D.E.—6 each of above 30 sorts.....	14.00

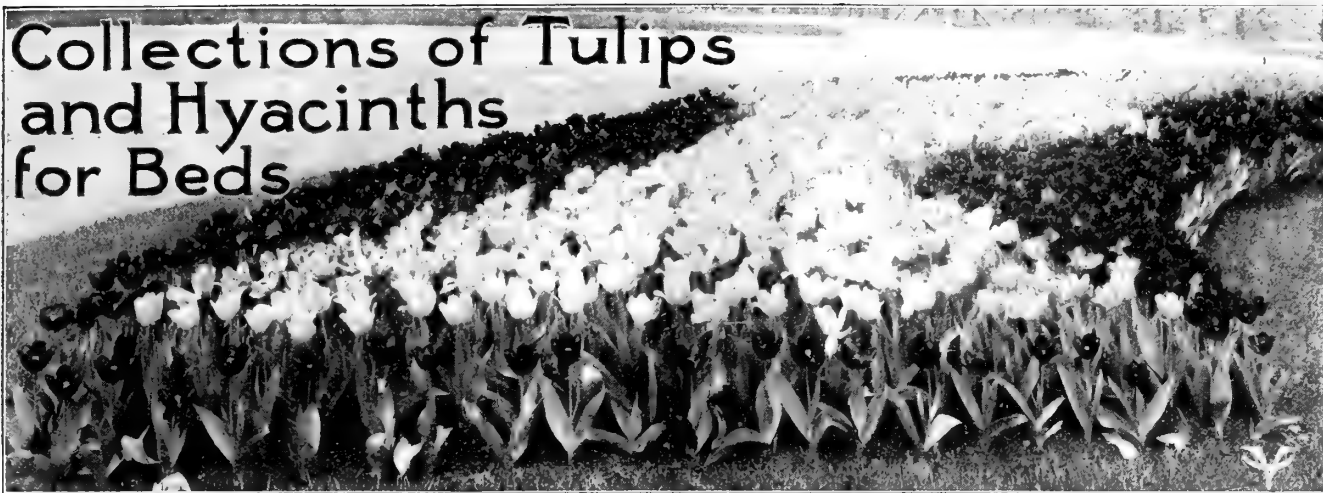
The above prices are by express at purchaser's expense.

For Suggestions on Wild Garden Effects Consult Page 1 of this Catalogue



PRIDE OF HAARLEM

Collections of Tulips and Hyacinths for Beds



In early spring nothing makes a more beautiful show than a well-planted bed of Hyacinths or Tulips in full bloom. In order to assist those of our customers who are not familiar with the arranging of beds, we offer the following collections. We, of course, take special care to select only such varieties as will flower at the same time and be of the proper height. Many brilliant color effects can be produced from Tulips that are impossible to secure with other plants. We shall be pleased to advise our customers with regard to other shapes and designs of beds that they may have, advising number of bulbs required. Prices quoted are for shipment by express at purchaser's expense.

VAUGHAN'S COMBINATION TULIP BEDS

Round Beds, 6 Feet in Diameter, Bulbs Planted 4 Inches Apart

	Price		Price		Price
No. 1. 150 Belle Alliance (scarlet) center, edged with two rows of 120 Chrysolora (yellow) on the outside...	\$3.75	No. 3. 150 Keizerskroon (red-yellow bordered) on the inside, edged with two rows of 120 Chrysolora (yellow) on the outside.....	3.75	No. 5. 150 Gesneriana Spathulata (scarlet) on the inside, edged with two rows of 120 Bouton d'Or (yellow)....	\$4.70
No. 2. 150 Rose Grisdelin (pink) center, edged with two rows of 120 L'Immaculee, white, on the outside..	3.25	No. 4. 50 Chrysolora (yellow) center, 100 Artus (red) inner two rows, 120 La Reine (white) outside two rows..	3.00	No. 6. 150 Darwin Tulips Glow (scarlet) on the inside, edged with 120 Clara Butt (pink).....	8.50

VAUGHAN'S COMBINATION HYACINTH BEDS

NO. 1—ROUND BED

5 Feet in Diameter

Contains 100 Bulbs of four choice Colors. **Should be planted**

6 inches apart.	Price
1st Size Named Hyacinths.....	\$7 50
Fancy Bedding Hyacinths.....	4 00
Medium Bedding Hyacinths.....	3 25

NO. 2—SQUARE BED

6 Feet Across

Contains 200 Bulbs of three choice colors **Planted 6 inches apart.**

1st Size Named Hyacinths.....	Price
Fancy Bedding.....	\$14 00
Medium Bedding.....	7 50
	6 00

NO. 3—OBLONG BED

6 Feet Long, 3 Feet Wide

Contains 60 Bulbs of one solid color. **Planted 6 inches apart.** (Customers selection of color.)

1st Size Named Hyacinths.....	Price
Fancy Bedding.....	\$4 80
Medium Bedding.....	2 60
	2 00

NO. 4—TRIANGULAR BED

6 Feet from Point to Point

Contains 125 Bulbs, as follows; 90 White Hyacinths for 3 rows on each side of triangle; 35 Blue Hyacinths for center of bed, **Planted 6 inches apart.**

1st Size Named Hyacinths.....	Price
Fancy Bedding.....	\$9 40
Medium Bedding.....	5 00
	4 00

BOOKS ON PLANTING OF FLOWER BULBS

BULBS AND TUBEROUS ROOTED PLANTS.—C. L. Allen. Includes their history, description, methods of propagation, and complete directions for their successful culture. Ill. Cloth. 310 pp. Price - - \$1.50
Flower Bulbs and How to Grow Them. 72 pp. Ill. Price - - .25
The Gladiolus. Crawford and Van Fleet. 120 pp. Ill. Cloth. Price \$1.25



BED OF HYACINTHS

VAUGHAN'S NARCISSUS OR DAFFODILS



EMPRESS

EMPRESS

This makes a fitting companion to Emperor, and is, we think, the finest of the two-colored trumpet varieties. The trumpet is of a rich yellow, with a perianth of snow-white petals; flowers bold and erect. Large Bulbs, Each, 5c; doz., 40c; per 100, \$2.50; per 1000, \$20.00. Mammoth Bulbs, Each, 6c; doz., 60c; per 100, \$4.00; per 1000, \$35.00.

GOLDEN SPUR

Extra large, rich yellow flower, devoid of green midrib. A very strong grower, and unsurpassed either for pot or garden culture.

LARGE BULBS, Each, 5c; doz., 40c; per 100, \$2.50; per 1000, \$20.00.
MAMMOTH BULBS, Each, 6c; doz., 60c; per 100, \$4.00; per 1000, \$35.00.

GLORY OF LEIDEN

Immense flowers of majestic appearance; very long, fluted trumpet, rich golden yellow; the perianth petals are very broad, overlapping each other gracefully; this variety deserves first place in any Narcissus collection; late.

Each, 20c; doz., \$1.75; per 100, \$12.00.

HORSFIELDII

One of the grandest Narcissus, and every one should make a point of planting a dozen or more of this splendid variety. Large white flowers with yellow trumpet coming into bloom earlier than any other of its class, making an ideal bulb for pot culture.

LARGE BULBS, Each, 5c; doz., 40c; per 100, \$2.50; per 1000, \$20.00.
MAMMOTH BULBS, Each, 6c; doz., 50c; per 100, \$3.00; per 1000, \$25.00.

HENRY IRVING

Broad yellow, spreading perianth; large yellow trumpet. Good forcer and for bedding it makes a handsome effect.

Each, 5c; doz., 40c; per 100, \$2.50; Per 1000, \$20.00.

J. B. M. CAMM

Trumpet opens a rich yellow, changing to light canary; perianth petals creamy white. The plant is a robust grower, free bloomer and most desirable for either garden or pot culture. Each, 6c; per doz., 60c; per 100, \$4.00; per 1000, \$35.00.

MME. DE GRAAFF

The best and largest of the pure white trumpet Daffodils. When it first comes into flower it shows creamy white, changing to pure white as the flower matures. It is of robust habit and every one should grow a few.

Each, 15c; doz., \$1.40; per 100, \$10.00; per 1000, \$90.00.

The Narcissus or Daffodils while not as freely planted as Hyacinths or Tulips, are, without a doubt, one of the most satisfactory Spring flowering bulbs. Being perfectly hardy (with the exception of the Polyanthus varieties) they do well planted in any location; they increase in size and flowers year after year. Groups of Narcissus in borders of hardy herbaceous plants, and along the edges of shrubbery beds, are exceedingly effective and very beautiful. They are equally valuable for winter flowering in greenhouses or window gardens, and growing in pots or pans for house decoration. Three or four bulbs can be planted in 6-inch pan and should be given same treatment as Hyacinths. For outdoor culture bulbs should be planted 5 or 6 inches apart, according to size of bulbs.

NOTE.—In describing Narcissus, Daffodils, etc., we have referred to the "Perianth" and "trumpet," "crown," or "cup." The latter is the center, funnel-like tube, and the "perianth" is the surrounding row of petals or wings.

Prices on single bulbs include postage; the dozen and hundred rates are by express at purchaser's expense. Postage on dozen bulbs, 12c.

LARGE TRUMPET VARIETIES

This section of the Narcissus family is perhaps the most popular of all. The flowers are large and of great substance, and with their stiff stalks, they are especially beautiful when cut for vases and table decorations.

ALBICANS—The Spanish Daffodil

Creamy white perianth with a silvery trumpet. Blooms early outdoors. Each, 4c; doz., 40c; per 100, \$2.25; per 1000, \$20.00.

ARD RIGH—Irish King

Trumpet, golden yellow; perianth, light yellow. A very showy variety. Each, 5c; doz., 45c; per 100, \$3.00; per 1000, \$25.00.

BULBOCODIUM

Very beautiful pale citron, early flowering.

Each, 6c; doz., 60c; per 100, \$4.00.

BULBOCODIUM—Clusii

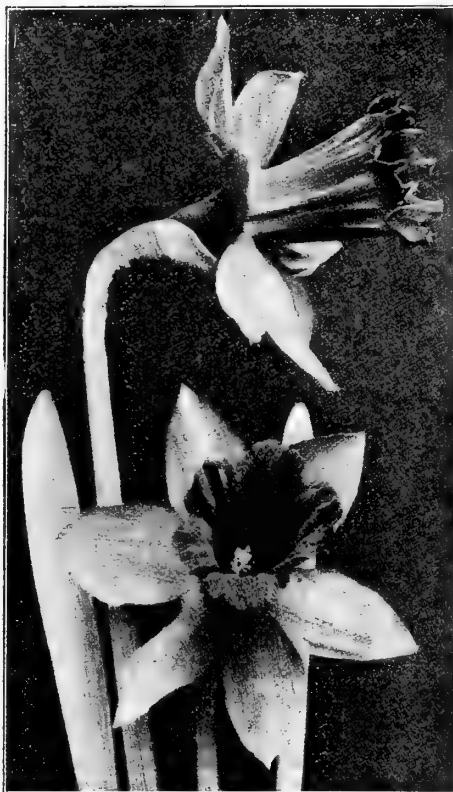
Snowy white flowers of exquisite beauty. Can be bloomed for Christmas if potted in September. Each, 7c; doz., 75c; per 100, \$5.00.

EMPEROR

A magnificent sort. The entire flower is a rich yellow; trumpet of immense size and petals of the perianth so broad that they overlap. Three of these bulbs planted in a 6-in. pot will make a splendid show. Large Bulbs, Each, 5c; doz., 40c; per 100, \$2.50; per 1000, \$20.00. Mammoth Bulbs, Each, 6c; doz., 60c; per 100, \$4.00; per 1000, \$35.00.



EMPEROR



GOLDEN SPUR

VAUGHAN'S TRUMPET VARIETIES—Continued

MME. PLEMP. A splendid, new bi-color; large perianth of pure white; trumpet a golden-yellow; large well-formed flower.
Each, 5c; doz., 50c; per 100, \$3.50; per 1000, \$30.00.

MRS. THOMPSON An extra fine pure white variety, large and handsome, with an elegantly frilled trumpet. It is a strong grower, early and free bloomer; splendid for pot culture, forcing and the garden border.
Each, 5c; doz., 50c; per 100, \$2.75; per 1000, \$22.50.

MRS. WALTER T. WARE. A perfect shaped, very free and early blooming Daffodil with pure white perianth and well expanded, beautifully recurved, golden-yellow trumpet.
Each 6c doz., 50c; per 100, \$3.00; per 1000, \$25.00.

OBVALLARIS. Pure golden-yellow, very distinct; very good for outdoor planting.
LARGE BULBS, Each, 4c; doz., 30c; per 100, \$1.90; per 1000, \$16.00.
MAMMOTH BULBS, Each, 5c. doz., 40c; per 100, \$2.50; per 1000, \$20.00.

PRINCEPS. A very popular variety, being used extensively for naturalizing in woodlands or along streams; one of the best forcing sorts, being very early; perianth sulphur yellow, trumpet rich yellow.
LARGE BULBS, Each, 3c; doz., 25c; per 100, \$1.25; per 1000, \$10.00.
MAMMOTH BULBS, Each, 4c; doz., 30c; per 100, \$1.75; per 1000, \$15.00.

TRUMPET MAJOR. Flower large and of a uniform deep golden. Highly prized as an early forcing sort and largely planted for outside bedding.
Each, 3c; doz., 25c; per 100, \$1.50; per 1000, \$12.00.

TRUMPET MAXIMUS. Hale's Beaten Gold. Rich golden-yellow perianth and trumpet.
Each, 4c; doz., 30c; per 100, \$1.75; per 1000, \$15.00.

VICTORIA. A bi-color famous for its large and durable flowers, which stand boldly erect; broad perianth of creamy white; large, broad, fluted trumpet of rich yellow; a strong grower with massive flowers. See back cover for illustration.
LARGE BULBS, Each, 3c; doz., 30c; per 100, \$2.00; per 1000, \$18.00.
MAMMOTH BULBS, Each, 5c; doz., 50c; per 100, \$3.50; per 1000, \$30.00.

SPECIAL OFFER "E" In order that our customers may get acquainted with these large trumpet varieties we offer **three each** of Emperor, Empress, Golden Spur, and Princes, 12 Bulbs in all for **40c postpaid.**

COLLECTIONS OF LARGE TRUMPET NARCISSUS

These prices quoted are by express at purchaser's expenses.

1 each of above 20 Trumpet sorts.....	for \$0 85	3 each of above 20 Trumpet sorts (60 Bulbs) for	\$2 25
2 each of above 20 Trumpet sorts (40 Bulbs) .for	1 55	6 each of above 20 Trumpet sorts (120 Bulbs) for	4 00

VAUGHAN'S NARCISSUS OR DAFFODILS MEDIUM TRUMPET OR CUP VARIETIES

This class includes many of the most beautiful and useful Daffodils for bedding, naturalizing and border planting. Strong growers, hardy and free bloomers. When forced for winter flowers they are splendid and when used as a cut flower are very decorative.

INCOMPARABILIS AUTOCRAT. Large star-like perianth, deeper yellow bowl-like crown; free-flowering and vigorous.
Each, 4c; doz, 30c; per 100, \$1.90; per 1000, \$16.00.

INCOMPARABILIS BEAUTY. Sulphur-yellow perianth, large yellow cup margined orange-scarlet, splendid grower.
Each, 5c; doz, 50c; per 100, \$3.50; per 1000, \$30.00.

INCOMPARABILIS CYNOSURE. Large handsome flowers; perianth primrose, changing to white; cup yellow, stained orange; much used for forcing.
Each, 3c; doz, 20c; per 100, \$1.00; per 1000, \$8.00.

INCOMPARABILIS SIR WATKIN. An old and popular variety and still one of the best and largest of this group; the flowers well grown often measure 5½ inches across; grows well and is a free bloomer; perianth butter-yellow, crown deep golden.
LARGE BULBS, Each, 3c; doz, 30c; per 100, \$2.00; per 1000, \$18.00.
MAMMOTH BULBS, Each, 5c; doz, 50c; per 100, \$3.50; per 1000, \$30.00.

INCOMPARABILIS STELLA. A new variety of Incomparable, with white perianth, divided into six long petals; cup a light primrose-yellow.
Each, 3c; doz, 20c; per 100, \$1.00; per 1000, \$8.00.

KATHERINE SPURRELL. A grand new variety; flowers of large size, beautiful form and splendid substance; broad overlapping perianth petals of snow-white and a delicate canary-colored crown; an especially fine cut flower.
Each, 6c; doz, 60c; per 100, \$4.00; per 1000, \$35.00.

MME. De GRAAFF. A distinct and beautiful new variety, usually two flowers to a stem, with broad white perianth petals and widely expanded primrose crown, often suffused with orange or a terra-cotta shade.
Each 3c; doz, 30c; per 100, \$2.00; per 1000, \$18.00.

MRS. LANGTRY. A remarkably free flowering variety, each bulb usually producing several flowers; broad white perianth, and white cup opening pale primrose. On account of its low price it is largely used for naturalizing.
Each, 3c; doz, 25c; per 100, \$1.25; per 1000, \$10.00.

VAUGHAN'S SPECIAL COLLECTIONS Medium Trumpet or Cup Varieties

1 ea. of above 10 sorts in all 10 bulbs for	35c.	3 ea. of above 10 sorts in all 30 bulbs for	80c.
2 ea. 10 20 bulbs for	60c.	6 ea. 10 60 bulbs for	\$1.50

The above prices are by express at purchaser's expense.



MRS. LANGTRY

NARCISSUS POETAZ

(The Hardy, Cluster-Flowered Daffodils)

By crossing Poeticus Ornatus and Polyanthus varieties one of our Holland growers has succeeded in obtaining this perfectly hardy strain of bunch-flowering Narcissus. The individual flowers have all more or less the Poeticus shape and size. Besides being hardy this class has the merit that they have not inherited the strong, disagreeable scent of the Polyanthus Narcissus. Planted in beds they make a mass of flowers. They also do well planted in pots for winter flowers.

ELVIRA. Pure white with yellow eye, large flower of remarkably good substance; a good keeper; very long stemmed, 3 to 4 flowers on a stem; one of the strongest - growing Narcissus. Extra free-flowering; the strong, healthy dark green foliage stands upright. On account of its sturdy habit Elvira is an excellent variety for bedding as well as for forcing. Each 4c; doz. 40c; per 100 \$3.00; per 1000 \$25.00.

IRENE. Perianth silky sulphur-yellow changing to light yellow; orange eye; large broad truss, bearing 8 to 9 flowers; most pleasing color; this novelty no doubt will soon be in good demand. Each 6c; doz. 65c; per 100 \$4.50; per 1000 \$40.00.

KLONDYKE. Perianth yellow, with deep golden yellow eye, one of the deepest yellows. Trusses bring 6 to 7 flowers. Each 8c; doz. 80c; per 100 \$6.00; per 1000 \$50.00.

TRIUMPH. Pure white perianth, with deep yellow eye, the largest flowers of this section, resembling Narcissus Bazelman Major; 3 to 4 flowers on a stem; a sterling novelty. Each, 5c; doz., 50c; per 100, \$4.00; per 1000, \$30.00.

NARCISSUS POETICUS

(OR PHEASANT'S EYE)

These are among the most beautiful of the Narcissus family. The flowers, which measure 2 to 2½ inches across, are pure white, with beautiful golden-yellow cup and distinct rim of scarlet, of exquisite fragrance and borne on long stems, making splendid cut-flowers. Especially adapted for planting in the garden, woods or amongst shrubbery. Where left to themselves they will rapidly increase and spread. Unless otherwise stated, prices on this page for single bulbs include postage paid by us; the dozen, hundred and thousand rates are by express at purchaser's expense.

POETICUS (Pheasant's Eye). The popular Narcissus for garden planting; pure white with scarlet-edged cup or eye; most effective when planted in clumps on lawns, in woodlands, meadows, on banks of streams and ponds, as well as in the border and herbaceous bed. Very hardy and increase readily in numbers; late. Each 2c; doz. 15c; per 100 75c; per 1000 \$6.00.



POETICUS

VAUGHAN'S SPECIAL OFFERS

E 2 each, Poeticus named on this page, 20c post'd
H 2 each, Poetaz " " " " 40c
G 2 each, D'ble Sorts, " " " " 30c



NARCISSUS POETAZ

POETICUS ORNATUS. A much improved form of the ordinary Poeticus, producing larger flowers and appearing two weeks earlier; for this reason they are especially adapted for forcing and make a splendid cut-flower; midseason. Large Bulbs, each, 3c; doz., 25c; per 100, \$1.00; per 1000, \$8.00. Mammoth Bulbs, Each, 4c; doz., 35c; per 100, \$1.50; per 1000, \$12.00.

POETICUS GRANDIFLORUS. Perianth pure white, cup yellow suffused with crimson. It is the earliest of the Poeticus class, flowering fully two weeks earlier than Ornatus. The flowers are of the same size and the stems are taller; splendid for early cutting. Each, 4c; doz., 40c; per 100, \$2.50; per 1000, \$22.50.

POETICUS KING EDWARD VII (Almira). An improved type, having magnificent large flowers with broad, round petals, a glistening white; the yellow cup is edged deep red; very early flowering variety. Ea., 5c; doz., 50c; per 100, \$3.50; per 1000, \$30.00.

DOUBLE NARCISSUS

No collection is complete without the double flowering Narcissus. While some are not so desirable for outdoor planting as the single kinds, others are especially suitable for pot culture, the Von Sions being grown indoors in large quantities, while there is no more hardy or fragrant variety for outdoors than the Alba Plena Odorata. Von Sions are splendid for indoor blooming, and especially useful as a cut-flower.

ALBA PLENA ODORATA. A very sweet-scented pure white variety called Double Poet's Narcissus; it flowers later than many of the other daffodils, and is not desirable for forcing. It makes a handsome show bedded among perennial plants and shrubbery; height about 15 inches. Each, 3c; doz. 20c; 100, \$1.25; 1000, \$10.00.

INCOMPARABLE. On account of the peculiar suffusion of the colors in the flower, this variety is also known "Butter and Eggs." The color is yellow and orange and makes an attractive cut bloom. Its greatest value is for outdoor planting, as it does not force so well. Each, 3c; doz., 25c; 100, \$1.50; 1000, \$12.00.

ORANGE PHOENIX (Eggs and Bacon). One of the most satisfactory double-flowering Narcissus we know of, either for pot culture or outdoor bedding. Flower is white with orange center and sweet scented. Each, 4c; doz., 30c; 100, \$1.75; 1000, \$14.50.

SULPHUR PHOENIX (Codlins and Cream). Very large flowers; pale creamy white shading to primrose. One of the finest varieties for pot culture, and makes a splendid cut-flower. Each, 4c; doz., 35c; 100, \$2.00; 1000 \$17.00.



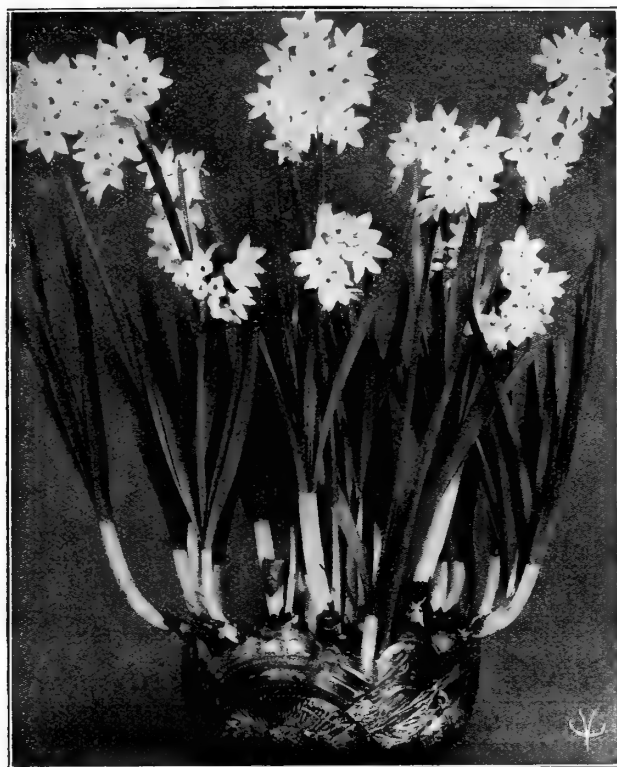
VON SIONS

VON SIONS

VAUGHAN'S JUMBO. These are bulbs of extra size, known in Holland as "Top Roots." Each bulb will throw from four to five perfect flowers, so that three bulbs planted in a 7-inch bulb pan will make a beautiful show. The Von Sion is the most popular Narcissus for pot culture, and our customers will be delighted if they try a few of our "Jumbo" bulbs. Each, 10c; doz., 75c; 100, \$4.50; 1000, \$40.00.

MAMMOTH DOUBLE NOSE BULBS. These are extra size bulbs; will produce from two to three flowers each. Each, 5c; doz., 50c; 100, \$3.50; 1000, \$30.00.

FANCY SELECTED. Each, 3c; doz., 30c; 100 \$2.00; 1000 \$18.00.



PAPER WHITE GRANDIFLORA. Growing in Water
50c. per doz., \$2.50 per 100

PAPER WHITE "GRANDIFLORA"—Large Flowering

This large flowering type is such an improvement over the ordinary "Paper White" that we have discontinued offering the latter. The "Large Flowering" is more vigorous and earlier, producing purest snow-white flowers of large size and good substance in large trusses. It is perhaps more largely used for early forcing for cut flowers than any other kind of bulb, being flowered without difficulty by Christmas, and if required even much earlier. Paper White narcissus does splendidly when grown in bowls of water and pebbles or moss the same as the Chinese Narcissus. Each, 7c; doz, 50c; per 100, \$2.50

DOUBLE SACRED LILY—Roman Narcissus

Grown in the same manner as the Chinese Sacred Lily. Produces abundantly of double flowers; white, shaded beautiful yellow; fragrant and lasting. Can be easily brought into bloom for Christmas. 4c. each; 40c. per doz. Add 10c. per doz. for postage.

JONQUILS

Jonquils are noted for their graceful, sweet scented flowers, in or out-of doors. They are perfectly hardy. For indoor decorations three or four bulbs should be grown in a 4 or 5-inch pot Cultivate same as the hyacinth.

Single. Sweet-scented yellow.....	Each	Doz.	100	1000
Double. Rich golden yellow, large and full.....	\$0 02	\$0 15	\$1 00	\$ 8 00
Campernelle. Large, single; light yellow, fragrant.....	04	35	2 00	18 00
Rugulosus (Giant Golden Sacred Lily). As easily grown as the Chinese Sacred Lily. Handsomest, glowing yellow and very fragrant. The bulbs are small, and ought to be planted 6 or 8 to a pan or lily bowl, in order to make a good show.....	02	15	1 00	8 00
	03	25	1 25	10 00

CHINESE SACRED LILY—Also Called "Joss Flower."

A species of Polyanthus Narcissus introduced from China. The bulbs are large, measuring 12 to 18 inches in circumference, and throw up from 5 to 10 flower-spikes, bearing clusters of large, perfect, waxy white blossoms, with yellow center; of a most delicious fragrance. These may be grown in pots, but are most successful when cultivated in water the same as in China. A dozen bulbs planted at intervals in bowls with enough gravel to hold them upright will give a profusion of bloom during the winter months. In order to get best results it is advisable to cut two or three slits half an inch deep up and down the sides of the bulbs near the top; this enables the weak shoots to burst through the tough outer layer

LARGE SELECTED BULBS. Price, 10c. each; 25c. for 3; 85c. per doz. If to go by mail add 3c. per bulb, or 35c. per doz. for postage. Original baskets containing 30 bulbs, \$1.50 per basket, by express or freight at purchaser's expense.

MAMMOTH BULBS. We have secured again this year a limited number of these very large bulbs, and advise early orders to secure them. If sold out of Mammoth Bulbs we will send selected bulbs for the amount of remittance unless specified otherwise by our customers. 20c each; 55c for 3; \$1.75 per doz. If to go by mail, add 5c. per bulb for postage.

CHINESE LILY BOWL. This handsome article is an entirely new and beautiful pattern made of pressed glass, just the thing in which to grow the Chinese Sacred Lily. Giant Golden Sacred Lily, Double Sacred Lily, or Giant Paper-White Narcissus, in gravel and water. 6-inch for one bulb, 25c each; 60c for 3; 7-inch, for two bulbs, 30c. each; 80c for 3; 8-inch for three bulbs, 35c. each; \$1.00 for 3. Can only be forwarded by Express.

GRAVEL, such as is used for above. 10c. per qt.; if by mail, postpaid, 40c.

POLYANTHUS NARCISSUS

The Polyanthus varieties of Narcissus are not only beautiful but exceedingly fragrant, and may be grown in bowls or glasses under the same treatment as for Chinese Sacred Lily. Also suitable for window garden, conservatory or garden, very free flowering and continuing long in bloom. Their tall spikes of bloom bear from six to one dozen flowers each. The pure white petals and gold cups of some varieties, the yellow with deep orange cups of others and the self whites and yellows render them great favorites. They are not quite as hardy as the other types of Narcissus and therefore should be carefully protected in cold climates when grown in the garden.

BAZELMAN MAJOR

Large flowers in immense clusters; broad pure white perianth; large dark yellow cup; one of the finest Polyanthus Narcissus in Cultivation. Each, 7c.; doz., 75c.; per 100, \$4.50.

GLORIOSUS

Pure white flowers of large size with orange cup; borne in large heads. Each, 4c.; doz., 40c.; per 100, \$2.50.

GRAND MONARQUE

One of the finest of the Polyantha section, giving excellent results when grown in water. The bulbs are of large size. Flowers are white with a lemon-yellow cup. Each, 5c.; doz. 50c.; per 100, \$3.50.

GRAND PRIMO

Perianth, pure white with citron cup. Each, 4c.; doz., 40c. per 100, \$2.50.

LORD CANNING

Clusters of large golden-yellow flowers with orange cups; extra fine. Each, 5c.; doz., 45c.; per 100, \$3.00.

MAESTRO

Large round thick-petaled flowers of cream white, with deep orange cup; a grand sort. Each, 8c.; doz., 80c.; per 100, \$6.00.

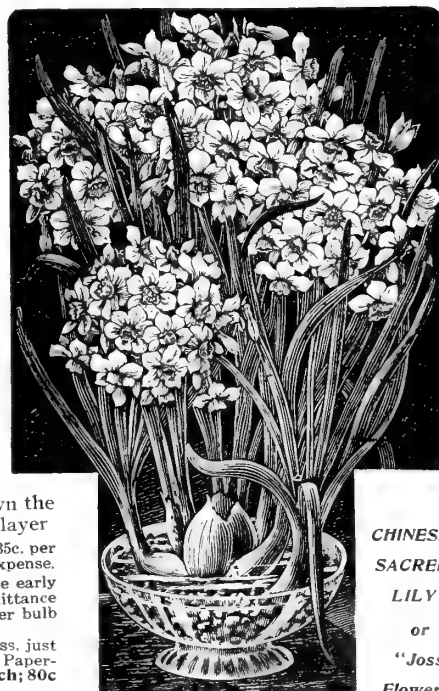
MONT CENIS

This is undoubtedly the finest of the Narcissi; its large white flowers with yellow cup come to a medium height, often more than two flower stems from a bulb and each stem 15 to 18 blooms. Each, 5c.; doz., 50c.; per 100, \$3.50.

WHITE PERFECTION

Large pure white flowers opening with cream cups, which change to pure white in a day or two; these chaste and beautiful flowers are borne in large clusters. Each, 5c.; doz., 50c.; per 100, \$3.50.

SPECIAL OFFER "R" 1 each of the above for 40c. postpaid.



CHINESE
SACRED
LILY
or
"Joss
Flower."



VAUGHAN'S SPRING FLOWERING CROCUS—Perfectly Hardy

One of the earliest flowers to open in Spring, the Crocus makes a very effective show when planted in masses or where three or four rows are arranged in a border. They are perfectly hardy and can be left in the ground for several years without being disturbed. An effective method of planting is to scatter them over the lawn by digging up a small piece of sod and placing one or two bulbs in each spot. This gives a pretty effect in early spring, and the tops can be cut along with the grass safely when first mowing is made. The large-flowering named varieties are ornamental when flowered in pots. Six or eight bulbs should be planted in a pot of about five inches diameter. They will not flower if exposed to heat, nor must severe forcing be attempted. Prices quoted below for Crocus include postage on dozen and 100 lots. The 1,000 rate is by express at purchaser's expense. We supply 25 at the 100 rate and 250 at the 1,000 rate.

Albion, blue, striped white.
Baron von Bruno, dark blue.
David Rizzio, deep purple.
Dandy, blue.
Non Plus Ultra, blue, white bordered.
Othello, dark purple.
Mont Blanc, pure white.

La Majesteuse, white, violet strip'd.
Madam Mina, white striped.
Sir Walter Scott, white, blue strip'd.
Mammoth White.
Cloth of Gold, yellow and brown.
Cloth of Silver, white and lilac.
Select Yellow, choice bulbs.

PRIDE OF HOLLAND CROCUS. We have offered in previous years a strain of Yellow Crocus under the name of "Holland's Pride," and have this year succeeded in securing the same strain in other colors. The bulbs are of large size, and will each throw a number of large flowers, making them the most showy Crocus we have ever had the pleasure of seeing. We offer these in five shades.
Sir Walter Scott, white, blue striped.
Queen Victoria, pure white.

Mammoth Yellow.
David Rizzio.

King of Blues, fine blue.

Price, doz 25c; 100 \$1.50; 1000 \$12.00.

SPECIAL OFFER "W:" 10 of each above, 150 Bulbs, \$2.00 postpaid.

Per dozen 35c; 100 \$2.00; 1000 \$15.00.

VAUGHAN'S SPECIAL MIXTURE—Giant-Flowered Crocus

We make this mixture from named sorts only, adding a liberal amount of the mammoth "Pride of Holland" sorts. For planting outdoors in lawns, along borders or amongst shrubbery this mixture cannot be excelled. Doz. 20c; 100 \$1.25; 1000 \$10.00

MIXED SPRING-FLOWERING CROCUS

These bulbs are of good size and will produce large flowers.

	Doz	100	1000
White	\$0 15	\$0 75	\$6 00
Blue and Purple	15	75	6 00
Striped and Variegated	15	75	6 00
Yellow, large	15	75	6 00

COLCHICUM AUTUMNALE

(Fall-Flowering Crocus)

Very effective hardy bulbous plants which bear their large flowers in the autumn—and most of them without foliage, the latter appearing the succeeding spring. For this reason they appear to best advantage when nestling in the grass, especially on terrace or hillside. In congenial locations they thrive, increase and flower year after year. The difference between Colchicums and Crocus is only botanical, their flowers appearing similar to casual observers.

	Each.	Doz.	100
Major , purple	\$0 07	\$0 75	\$6 00
Mixed	04	40	3 00



WHITE CALLA

CALLA LILIES

WHITE CALLA

(*Richardia Aethiopica*)

The White Calla, or Lily of the Nile, is a well-known plant of easy culture, and in winter is one of our best window plants. To aid profuse blooming keep them dormant from the middle of June until the last of August; repot in good, rich soil, using 6 to 8-inch pot, give water, light and heat in abundance, and the result will be most satisfactory.

	Each.	Doz.	100
FIRST SIZE	\$0 15	\$1 25	\$10 00
SELECT SIZE	25	2 50	15 00
MAMMOTH	40	4 50	.....

SPOTTED LEAF

(*Richardia Alba Maculata*)

The leaves of this variety are deep green, with numerous white spots, which give the plant a very ornamental appearance. The flowers are white with a black center; they grow freely either indoors or out.

Each 10c; Dozen \$1.00.

ELLIOTTIANA

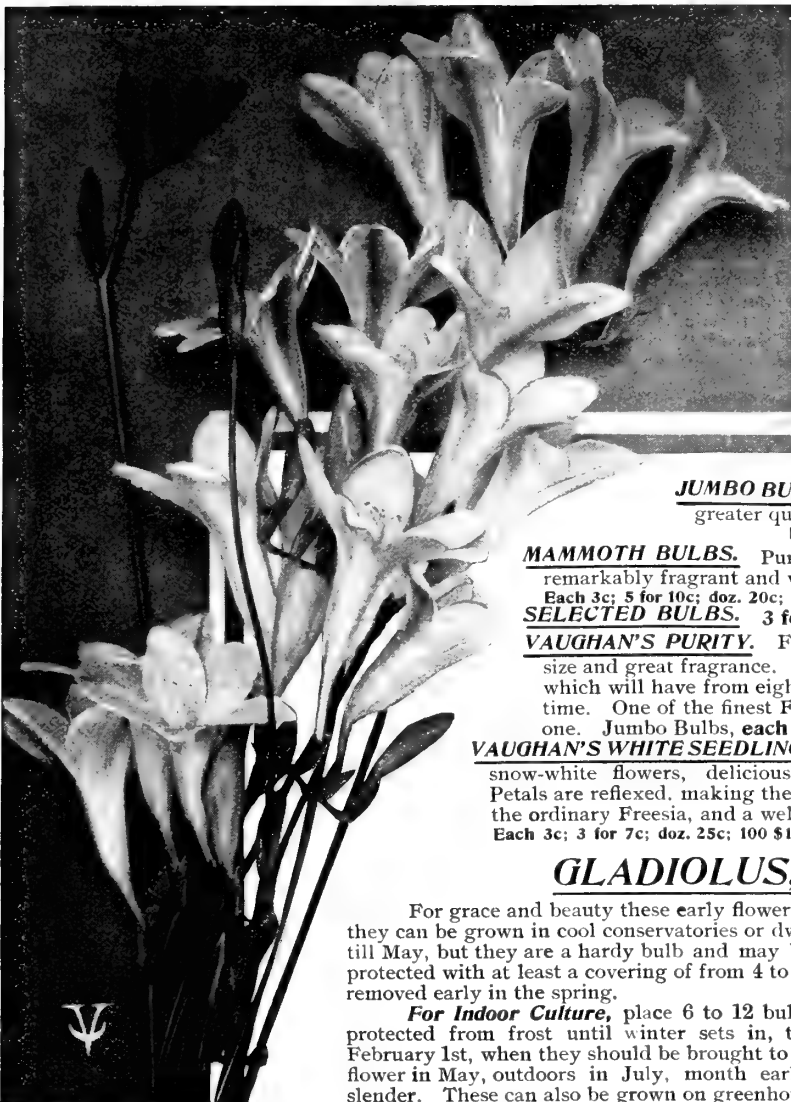
(*Golden-Yellow Richardia*)

Rare and beautiful variety; same habit of growth as ordinary white Calla, flowers same size and shape, rich, clear, lustrous golden-yellow; foliage dark green, with translucent creamy spots. A large stock enables us to offer strong bulbs at Each 25c; Dozen \$2.50.

VAUGHAN'S PROLIFIC CALLA

An improvement on the common Calla; plant is much more perfect in shape and pure white.

Each 25c; Dozen \$2.50.



GIANT FREESIAS

Freesias are without a doubt the most sweet-scented and beautiful flower growing. They are very popular as a house plant and very easily raised.

CULTURAL DIRECTIONS. Procure the bulbs as early as possible and plant them in successive batches from August to October, using from 6 to 25 bulbs for a single pan. The bulbs planted early, say August and September, may be placed outdoors in a sheltered spot until cold weather sets in; of course they must be regularly watered and kept growing all the time. In October before frosts appear the pots should be placed in frames if possible or near the window of an unheated room. Not before November must the young plants be brought to gentle heat, and if thus cared for they will flower perfectly in January. The foliage of the Freesias is very fine and slender and must be supported with light stakes placed around the outer edge of the pans. The pure white flowers are borne on long stems; valuable for cutting.

JUMBO BULBS. These Bulbs will produce much larger and a greater quantity of flowers than the ordinary size.

Each 7c; doz. 75c; 100 \$4.00; 250 \$8.00, postpaid.

MAMMOTH BULBS. Pure white, with small yellow blotch on lower petal; remarkably fragrant and very lasting.

Each 3c; 5 for 10c; doz. 20c; 100 \$1.25; 1000 \$10.00, postpaid.

SELECTED BULBS. 3 for 5c; doz. 15c; 100, 90c; 1000 \$6.50, postpaid.

VAUGHAN'S PURITY. Flowers are of a magnificent snowy white of very large size and great fragrance. One bulb will throw three to five flower-heads, each of which will have from eight to nine buds, six of which are frequently open at one time. One of the finest Freesias we have ever seen, and well worthy a trial by everyone. Jumbo Bulbs, each 10c; doz. \$1.00; Select, each 6c; doz. 60c; 100 \$3.50.

VAUGHAN'S WHITE SEEDLING. A splendid new variety producing large sprays of pure snow-white flowers, deliciously fragrant. Flowers are borne on stiff, wiry stems. Petals are reflexed, making the flowers star-shaped. A very pleasing improvement on the ordinary Freesia, and a welcome addition to the list of bulbs for indoor culture.

Each 3c; 3 for 7c; doz. 25c; 100 \$1.50, postpaid; 1000 \$12.00, by express.

GLADIOLUS, Winter Blooming

For grace and beauty these early flowering Gladiolus cannot be excelled. Being of dwarf habit, they can be grown in cool conservatories or dwelling houses during the winter for flowering from March till May, but they are a hardy bulb and may be planted outdoors in the late fall, 4 to 6 inches deep if protected with at least a covering of from 4 to 6 inches of leaves or dry manure; this protection must be removed early in the spring.

For Indoor Culture, place 6 to 12 bulbs in pan filled with fairly sandy soil; place outdoors protected from frost until winter sets in, then remove to a light but cool corner of the cellar until February 1st, when they should be brought to gentle heat and light; water carefully. Indoors this class flower in May, outdoors in July, month earlier than the regular Gladiolus; stems and foliage very slender. These can also be grown on greenhouse benches among carnations.

GIANT FREESIAS

THE BOOK OF GLADIOLUS

The first authoritative book on this bulb ever printed in America. Published by Vaughan's Seed Store, Chicago and New York. Written by Matthew Crawford and Dr. W. Van Fleet. 120 pages bound in cloth, fully illustrated. Covers all sides of growing, propagating, storing, etc. A necessity for both amateur and grower. Price, postpaid, \$1.25.

ACKERMAN. Salmon, flaked carmine, very fine.

Each, 4c; per doz 35c; per 100 \$1.80, postpaid; per 1000 \$15.00.

BRILLIANT. Lovely new variety; good winter forcer; very fine crimson.

Each 5c; doz 40c; 100 \$2.50, postpaid.

THE BRIDE (Colvillei Alba). Graceful variety, pure white flowers, freely borne on long stems.

5c for 2; 20c per doz; per 100 \$1.25, postpaid; per 1000 \$9.00.

BLUSHING BRIDE. One of the most beautiful flowers are ivory white, with deep crimson blotches on lower petals. Flowers all open about same time.

Each 3c; doz 30c; 50, 85c; 100 \$1.50, postpaid; 1000 \$10.00.

CARDINAL ELEGANS. Fiery scarlet, flaked white; graceful drooping foliage; very exquisite.

Each 7c; doz 75c; 100 \$4.00, postpaid.

PEACH BLOSSOM. Splendid variety, producing graceful spikes of charming flowers, delicate rosy blush, blotched pale rose and cream, free bloomer and of fine vigorous growth. Each 4c; doz. 35c; 100 \$1.80, postpaid; 1000 \$15.00.

IXIAS

Much admired for their brilliant colors and graceful flower-stalks, resembling miniature Gladiolus. Colors include many shades of yellow, pink, scarlet and crimson. Center of flower is always distinct in color from the outer parts, making the effect very striking. Plant six or eight bulbs in a 6-inch bulb-pan, covering them 1 inch.

ALBA. Splendid white, purplish crimson eye, well shaped flowers. Each, 3c; doz. 30c; 100 \$2.00, postpaid.

CRATEROIDES MAJOR. Rich cerise scarlet with black center. Each 4c; doz. 40c; 100 \$2.50, postpaid.

MORNING STAR. Bright rose, beautiful self colored variety. Each 7c; doz. 75c; 100 \$4.00, postpaid.

SUNBEAM. Rich orange, with crimson stripes. Each 3c; doz. 30c; 100 \$2.00, postpaid.

VIRIDAFLORE. Flowers sea-green, with black eye. Each 7c; doz. 75c; 100 \$4.00, postpaid.

MIXED. All colors.

Each 2c; doz. 15c; 100, 75c, postpaid; 1000, \$6.00.



IXIAS



GLADIOLUS PEACH BLOSSOM



SPANISH IRIS

ENGLISH IRIS

(Iris Anglica)

This is a beautiful flower, and the many garden varieties are among the finest things we have in early summer. The English Iris got its popular name in a rather curious way, being sent from its Pyrenean home, where its distribution is limited, to Bristol traders, thence to Holland. The Dutch, supposing it to be a native of English shores, called it the English Iris. The flowers are quite distinct in aspect from those of the Spanish Iris and appear a fortnight or so later. They are broad and display a delightful diversity of color from deepest purple to pure white. They are easily cultivated and well worthy of a place in every garden. Iris gardens are coming into vogue, and with the above variety a flowering season is filled which would otherwise be bare.

NAMED VARIETIES—Large Bulbs

	Doz.	100	1000
<i>Adelaine</i> , white, violet striped.....	\$0 75	\$4 00	
<i>Grand Lilas</i> , light blue.....	75	4 00	
<i>Mont Blanc</i> . Pure white, large flower.....	75	4 00	
<i>Othello</i> . Dark blue.....	75	4 00	
<i>Mixed</i> , all colors.....	25	1 75	\$15 00

LILY OF THE VALLEY

Ready in November

A beautiful pure white flower; principally used for winter forcing. Very fragrant and produced in abundance. For indoor culture plant about 25 pips or roots in a 7-inch pot or pan, place outside, where they should be left until they have been subjected to several nights freezing, which brings them into flower more readily. When grown outdoors always plant in a shaded place, preferably moist. They bloom in four weeks inside and, if planted at intervals, a succession of flowers can be had all winter. While the pips are adapted for outdoor culture, we especially recommend the clumps for this purpose, as they give a quicker and better effect at less cost. These should be set about 12 inches apart each way, while the pips about 4 inches apart each way; outdoors they bloom in May.



"Illinois" Self-Watering Flower Boxes

Supplies moisture for 10 days. Fine for Bulbs.

Window Boxes			Porch Boxes			
6-in. deep, 10-in. wide			9-in. deep, 12-in. wide			
No.	Length	Price	No.	Length	Price	
1	23 in.	\$1.60	21	37 in.	\$3.00	
2	25 in.	1.75	22	41 in.	3.40	
3	27 in.	1.90	23	45 in.	3.75	
4	29 in.	2.05	24	49 in.	4.00	
5	31 in.	2.20	25	53 in.	4.25	
6	33 in.	2.35	Hanging Baskets			
7	35 in.	2.50	No.	Depth	Square	Price
8	37 in.	2.65	8	6 in.	8 in.	\$1.00
9	39 in.	2.80	10	7 in.	10 in.	1.25
10	41 in.	3.00	12	8 in.	12 in.	1.50
			14	9 in.	12 in.	1.75

SPANISH IRIS

(Iris Hispanica)

One of the most satisfactory varieties of Iris to grow, being very hardy, and equally good for pot or garden culture. The flowers are of great beauty, having many different blendings of colors, and if cut when in the bud state will last a long time in water. For best effects they should be planted in clumps or masses of 25 or more bulbs set three inches apart each way. When planted in pots and grown out of doors in the cold frame they can be brought in when growth is well advanced, and will flower late in March or early April.

NAMED VARIETIES—Large Bulbs

	Doz.	100	1000
<i>Belle Chinoise</i> , dark yellow.....	\$0 25	\$1 25	\$10 00
<i>British Queen</i> , white, extra fine.....	25	1 25	10 00
<i>Beauty</i> , porcelain blue.....	40	2 50	20 00
<i>Bronze Queen</i> , the finest terra-cotta.....	30	2 00	15 00
<i>Cajanus</i> , clear yellow, extra.....	25	1 25	10 00
<i>Chrysolora</i> , deep yellow.....	25	1 25	10 00
<i>Count of Nassau</i> , dark blue.....	25	1 25	10 00
<i>Hercules</i> , dark bronze.....	30	2 00	15 00
<i>King of the Blues</i> , deep blue, sweet-scented.....	30	2 00	15 00
<i>Louise</i> . Beautiful shade of light blue.....	25	1 25	10 00
<i>La Neige</i> , snow-white.....	40	2 50	20 00
<i>Mia</i> , blue-purple.....	30	2 00	15 00
<i>Reconnaissance</i> , fine bronze.....	50	3 50	30 00
<i>Wouverman</i> . Beautiful orange yellow.....	40	2 50	20 00
<i>Mixed</i> , all colors.....	15	75	6 00

MOURNING IRIS

(Iris Suisiana)

Immense flowers, bluish tinted brown and covered with a network of fine lines. Flowers the end of May; and grows about a foot high. Each, 12c; doz, \$1.00; 100, \$8.00.



LILY OF THE VALLEY

VAUGHAN'S "PERFECTION PIPS"

For pot culture or forcing by those who have conservatories these cannot be excelled, producing large fragrant spikes, crowded with bells, and an abundance of dark green foliage. 6 for 25c; per doz, 40c, postpaid; per 100, \$2.50; per 1000, \$20.00; by express at buyer's expense.

LARGE FLOWERING GERMAN PIPS. 6 for 15c; per doz, 25c, postpaid; 25 for 40c; per 100, \$1.50, by express at buyer's expense.

LARGE IMPORTED CLUMPS. For outdoor planting we recommend the use of clumps. These should be planted in a shady moist position, and being one of the hardiest of flowers, they require little or no protection. Each, 25c; per doz, \$3.00; per 100, \$20.00, by express or freight at buyer's expense. If wanted by mail add 15c each for postage.

"FLOWER BULBS."—A Book Telling How to Grow Flower Bulbs, Given Away with an Order for Bulbs of \$1.00 or over.

SPIRAEA

Ready for delivery in November. If by mail add 10c per clump.

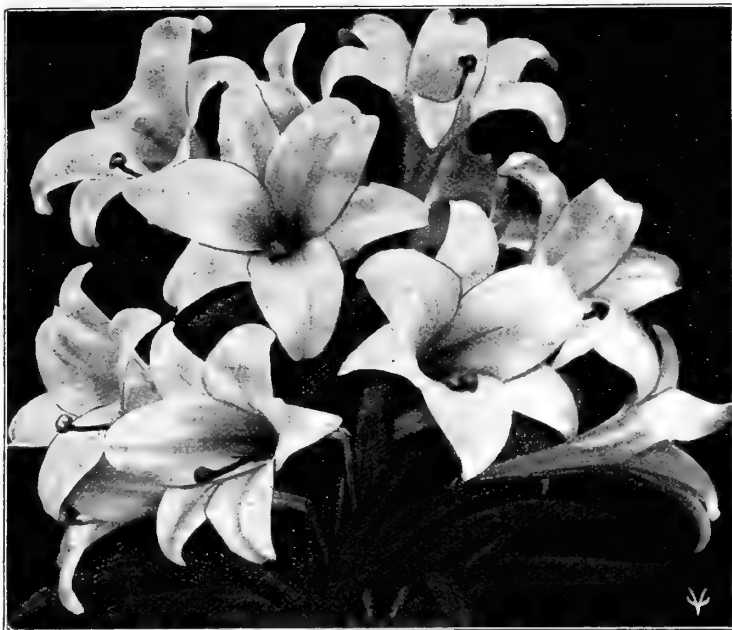
While these can be used for outdoor planting where they will bloom during the summer, their great value lies in their ease of culture as a house plant. The flowers are borne in feathery plumes of white well above the foliage.

ASTILBOIDES SUPERBA. A beautiful shaped plant with abundant flowers on strong stalks 1½ to 2 feet long; pure white plumes. Each, 15c; per doz, \$1.50.

COMPACTA MULTIFLORA. An indispensable sort for furnishing cut-flowers. Strong clumps, Each, 10c; per doz., \$1.00.

GLADSTONE. Produces enormous spikes of pure white flowers and resplendent with foliage of beautiful green. Best of Spiraea. Each, 20c; doz, \$2.00.

NEW PINK SPIRAEA QUEEN ALEXANDRA. Clear pink with dense compact spikes. Most attractive and equally as vigorous as the white varieties. Each, 25c; doz, \$2.50.



EASTER LILIES

LILIAM FORMOSUM*(Japanese Easter Lily)*

This improved type of the well known *Lilium Longiflorum*, also called the "Easter or St. Joseph's Lily" comes from the Island of Formosa. The plants are of healthy strong growth—about 3 feet high and produce beautiful snow-white, trumpet-shaped flowers, 6 to 8 inches long. It is perfectly hardy (if given a little protection) and a splendid garden lily blooming in the open in June and July. This Lily is also a very important winter flowering type, thousands of the bulbs being imported for Florists and others who "force" them as pot plants and for cut flowers. It is not quite as early as *Lilium Harrisii*—but for "bringing in" soon after Christmas it is well adapted.

	Each	Doz.	100
First size (6 to 8 inches).....	\$0 10	\$0 85	\$ 6 00
Select size (7 to 9 inches).....	15	1 25	10 00
Mammoth size (9 to 10 inches).....	20	2 25	16 00

LILIAM GIGANTEUM*(Japanese Easter Lily)*

Best of all Lilies for indoor pot culture; bulbs planted when received about latter part of September, can be readily brought into bloom by Easter if kept in a warm room or greenhouse. Flowers are large trumpet shape, pure white in color and of a delicious fragrance. Being perfectly hardy (if given a little protection) it is splendid for outdoor planting and should be used with *Candidum* for succession of bloom, as it flowers about July 10th, right after the *Candidum* has finished.

	Each	Doz.	100
First size (6 to 8 inches).....	\$0 07	\$0 75	\$ 5 00
Select size (7 to 9 inches).....	12	1 00	8 00
Mammoth size (9 to 10 inches).....	25	2 50	20 00

LILIAM CANDIDUM*(Madonna, or Annunciation Lily)*

This is one of the oldest, loveliest and best known Lilies. The flowers, of which there are three to twenty on each stem, are snow-white, with heavy yellow stamens and of the most delightful fragrance. It is hardy, and will thrive in any ordinary garden soil, preferring a position where it can get plenty of light and air. Blooms in the open ground about June 20. We recommend early planting of this Lily, as it makes its leaf-growth in fall, and thus prepares itself for early blooming. Orders should therefore be sent in on receipt of this Catalogue. The bulbs which we offer are of an improved type over those usually sold, the flowers being larger and the petals thicker, which makes it more lasting. Once planted they should not be disturbed for years, and customers will do well to plant a bed of 25 or more.

	Each	Doz.	100
Select.....	\$0 10	\$0 85	\$ 6 50
Mammoth.....	20	1 50	10 00
Jumbo.....	50	5 00	

For Suggestions on What to Plant in Woodlands, Meadows, and along Streams, see Page 1 of this Catalogue.

LILIUMS

The lily is one of the most beautiful and ornamental of bulbous plants. To those who have been unsuccessful in growing this class of bulbs we would recommend them to follow our cultural directions carefully.

Lilies should be potted immediately upon receipt, if intended for growing in pots or for forcing. The soil should be rich, the pot well drained. The bulb should be set about half-way below the surface or rim of the pot and lightly covered with soil. After potting, give a thorough watering and set outside in a cold frame or shady situation, then cover with ashes or long straw. After they have stood from three weeks to a month and thoroughly rooted, bring inside, in a temperature of about 60°; let the plants grow slowly under a bench or some other suitable place until about 6 inches high; then place on top of the bench. About two months before Easter they can be brought into a warmer temperature and gradually forced into flower and height at one time. An occasional application of liquid cow manure, starting about six weeks before flowering time, will stimulate the plant wonderfully. **Thorough rooting is the most essential point.**

LILIAM HARRISII*(True Bermuda Easter Lily)*

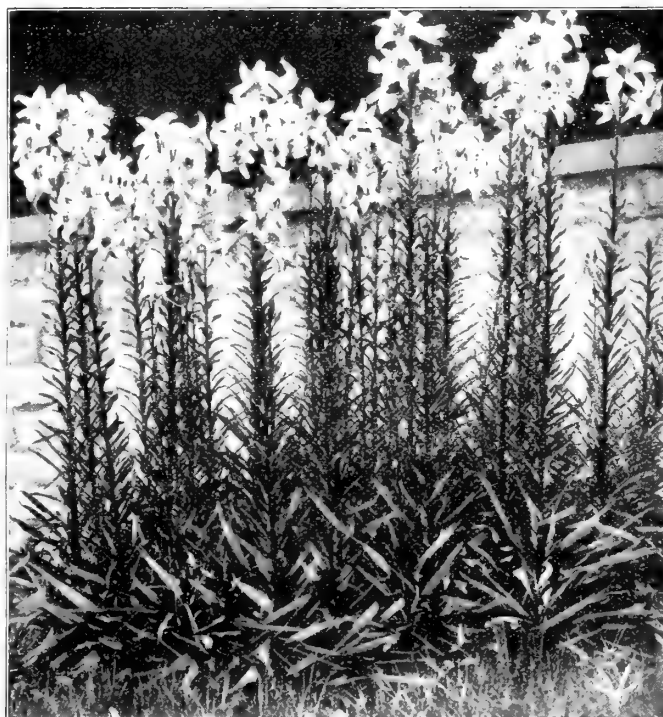
This mammoth white Trumpet Lily, with flowers 4 or 5 inches long, is the best of all Lilies for winter forcing and flowering. Has large handsome trumpet-shaped flowers, pure white, and of delicious fragrance; very free-flowering, the smallest size bulbs producing freely. Can be had in bloom indoors from Christmas to Easter. For blooming at Christmas it is best to order bulbs as soon as you receive this Catalogue. Owing to the dry season on the Island where these bulbs grow, we are only able to furnish these in two sizes.

	Each	Doz.	100
First size (5 to 7 inches).....	\$0 12	\$0 85	\$ 6 00
Select size (7 to 9 inches).....	25	1 75	12 00

For Lawn and Garden Tools, Glazing Materials, Rubber Hose,

Fertilizers and Insecticides,

See Inside Back Cover of this Catalogue.



LILIAM CANDIDUM

**LILIAM AURATUM**

CANADENSE—Meadow Lily. Graceful, drooping, bell-shaped, red and yellow flowers typical of our northern meadows. Perfectly hardy. Fine bulbs. Each, 10c; doz, \$1.00, postpaid.

HENRYII. A new, rare and very beautiful Lily from China. It is very hardy, a strong, healthy grower, and without doubt one of the best Lilies for garden culture and most effective for massing. The flower stalks, 3 to 5 feet high, carry 5 to 8 large flowers each; the color, a rich apricot-yellow, lightly spotted with brown, and the shape and size of the flowers and the habit of growth has suggested the name "Yellow Specimen," which class it resembles. Each, 60c, postpaid; per doz, \$6.00.

ELEGANS. This class includes some of the most beautiful Lilies; flowers erect, borne in clusters; colors of the richest hues of yellow and red; fine for planting in masses. Mixed varieties 1 to 2 feet. Each, 10c; doz, \$1.00, postpaid.

HANSONI. Flowers reddish orange, 8 to 12 in a cluster; petals thick and durable; a native of Japan, and although in price a trifle high, this beautiful Lily should have a place in every garden. Under favorable conditions it attains a height of 3 to 4 feet. Each, 25c; per doz, \$2.50 postpaid.

PARDALINUM—Leopard Lily. Rich scarlet and yellow flower spotted with rich brown. Robust and free-flowering. A superb lily; gives greatest possible satisfaction; succeeds in all situations. Each, 12c; per doz, \$1.20, postpaid; per 100, \$8.00.

SUPERBUM. The finest of the native Lilies. Flowers bright orange-red, thickly spotted with purple. Remarkable for immense height (often 8 feet) and profusion of bloom; a strong plant bearing from 20 to 30 flowers. Each, 10c; per doz, \$1.00, postpaid; per 100, \$7.00.

TENNIFOLIUM—Siberian Lily. A native of Siberia; one of the very hardiest Lilies; flowers vivid scarlet, with petals reflexed; very showy and free-flowering, blooming early in the spring. It is very easy of cultivation, requiring only a well drained sandy soil. Each, 15c; doz, \$1.50, postpaid.

TIGRINUM SPLENDENS—Improved Single Tiger Lily. Very hardy native Lily; orange-red, spotted purple-black. Pretty, and bears 8 to 20 flowers when well established. Each, 12c; doz, \$1.20, postpaid; per 100, \$8.00.

TIGRINUM FLORE PLENO—Double Tiger Lily. The well-known double Tiger Lily; grows from 4 to 6 feet high, and bears an immense number of bright orange flowers. Each, 12c; doz, \$1.25, postpaid; 100, \$10.00.

UMBELLATUM. A splendid hardy Lily, and should be found in every garden; it makes a beautiful companion to Lilium Candidum, as it comes into bloom at the same time, and they make a rich combination of color if planted together. Colors range from deepest red through all shades of crimson, rose, yellow, buff, apricot; blooms about June 30

Each, 15c; per doz, \$1.50, postpaid; per 100, \$9.00.

HARDY GARDEN LILIES

The favorite flower of everyone who wishes to have a succession of bloom in the herbaceous border or beds. Lilies can be successfully planted amongst shrubbery, where they take up little or no room, and if properly chosen with regard to their time of flowering, a constant show can be had for the better part of the summer.

NOTE.—Most Lily Bulbs, being of late maturity, are not ready before October and November (the best time to plant them). Where the ground is liable to freeze up before the late lilies arrive it should be mulched with 6 or 8 inches of leaves or manure so the bulbs may be planted on arrival. Lilium Harrissii and Candidum are ready in August.

AURATUM—Gold Banded

The most beautiful and popular variety of all the Lily family; should be in every garden. Illustration on this page is taken from a photo of a plant grown from one bulb in the garden of one of our customers. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant.

	Postpaid.		By Express.	
	Each.	Three.	Doz.	Purchaser's Expense.
First Size, 8-9 in.....	\$0 20	\$0 50	\$1 25	\$1 75
Mammoth, 9-11 in.....	35	95	1 75	3 00
Monster, 11-12 in.....	50	1 35	2 50	4 50

SPECIOSUM Album—White

Splendid companion variety for Auratum and Rubrum.

Pure white, with beautiful recurved petals, very fragrant. This, with Rubrum and Melpomene, belongs to the Speciosum section.

	Postpaid.		By Express.	
	Each.	Three.	Doz.	Purchaser's Expense.
First Size, 8-9 in.....	\$0 35	\$0 95	\$1 75	\$3 00
Mammoth, 9-11 in.....	50	1 35	3 00	5 00

SPECIOSUM RUBRUM—Crimson Banded.

We consider this the most satisfactory of the Speciosum class. Once planted in a favorable location will last for years. Flowers are white with a deep rosy crimson band on each petal, with deeper colored spots between. They are 5 to 6 inches in diameter, very fragrant, and have all the hardiness of the Speciosum class.

	Postpaid.		By Express.	
	Each.	Three.	Doz.	Purchaser's Expense.
First Size, 8-9 in.....	\$0 20	\$0 50	\$1 25	\$1 75
Mammoth, 9-11 in.....	35	95	1 75	3 00
Monster, 11-12 in.....	50	1 35	2 50	4 50

SPECIOSUM MELPOMENE.

A most beautiful variety. Flowers frosted white, spotted, clouded and bearded with pinkish crimson. Petals are recurved and widely bordered.

	Postpaid.		By Express.	
	Each.	Three.	Doz.	Purchaser's Expense.
First Size, 8-9 in.....	\$0 20	\$0 50	\$1 50	\$2 25
Mammoth, 9-11 in.....	35	95	1 85	3 25

AURATUM PLATYPHYLLUM. This is without a question one of the most wonderful Lilies in cultivation. The leaves are very long and broad, and the stems attain a height varying from 7 to 10 feet. The flowers are similar in color to Auratum, heavily spotted, but are much larger, the petals more overlapping, and of greater substance. Each, 25c, postpaid; doz, \$2.50; per 100, \$20.00.

**LILIAM SPECIOSUM RUBRUM**

LILY COLLECTION—12 BULBS

ONE EACH OF THE MOST HARDY AND DESIRABLE SORTS

Postpaid, for \$1.75

MISCELLANEOUS BULBS

ALLIUM NEAPOLITANUM. This is one of the most beautiful bulbous plants for conservatory, house or window-garden. Like the Freesia, it is of easiest culture, and can be grown by anyone. The flowers are star-shaped, and are produced in large, loosely-spreading umbels, on stems 20 inches high.

Doz. 20c; 100 \$1.00; 1000 \$7.00.

AMARYLLIS.

To be successful with these bulbs, customers should follow closely our cultural directions. On receipt of the bulbs in autumn place them in damp moss in a temperature of 60 degrees, and allow the flowering shoot to appear before the bulb is potted. When first potted give very little water, and promote growth by giving moderate bottom heat; increase the supply of water as the plants progress. The proper soil for Amaryllis is turfy loam enriched with rotten manure.

Beladonna Major. Fine variety for fall blooming, very free flowering and fragrant. Flowers, which are a lovely shell pink color, are borne on stems 2 to 2½ feet high. Selected Bulbs, each 25c; per doz. \$2.50, by express at purchaser's expense.

Vittata Hybrids. These are unnamed seedlings, secured from that famous hybridizer, Luther Burbank. The flowers cannot be surpassed for their richness of color and markings; spikes are usually from 2 to 3 feet in height, bearing from 3 to 5 enormous trumpet-shaped flowers, measuring sometimes 10 inches across. Each 50c; 3 for \$1.25; doz. \$4.75; 25 for \$7.50, by express at purchaser's expense.

Johnsoni. Has immense trumpet-shaped flowers, borne on strong, fleshy spikes, and are of rich, deep velvety crimson, each petal having a broad white stripe contrasting beautifully with the deep red color.

Large Bulbs, each 25c, 3 for 60c. Mammoth Bulbs, each 40c, 3 for \$1.00, by express at purchaser's expense.

Formosissima. One of the most popular of the Amaryllis. Flowers are of a beautiful dark scarlet, strangely marked.

Large Bulbs, each 10c; 3 for 25c; doz. 90c, by express at purchaser's expense.

ANEMONES—Windflower

The varieties offered below are charming hardy spring flowers, and are becoming better known and more popular as a garden flower. Both double and single are equally desirable, and no garden should be without them. They are suitable for pot or border culture, and when planted in masses are most effective. They succeed best in a light, rich, well drained loam. Plant in November, or as soon as the ground can be worked in the spring. If planted in the autumn, they should be covered with leaves, straw or long manure on the approach of winter. For pot culture, fill with any rich, porous compost, with good drainage, planting 4 roots in a 5-inch pot; place in a cold frame, or any moderately cool situation, giving very little water until the plants appear; then remove to greenhouse or sitting room.

	Doz.	100	1000
Ceres. Double white suffused with rose.....	\$0 40	\$2 50	\$20 00
King of the Scarlets. Double, bright scarlet...	50	3 50	30 00
King of the Blues. Double, very fine blue.....	40	2 50	20 00
White (The Bride) single.....	20	1 00	7 50
Single Mixed. All colors.....	20	1 00	7 50
Double Mixed. All colors.....	30	1 75	15 00

Fulgens. The rich, dazzling scarlet flowers make it most attractive. It is valuable for cutting. Doz. 30c; 100 \$2.90; 1000 \$17.50.

BABIANAS. Pretty little plant, bearing showy spikes of flowers, which are much characterized by their rich self-colors or the striking contrast of very distinct hues in the same flower. Not hardy north of Washington, and succeeds best when grown in pots. Mixed Varieties, doz. 40c; 100 \$2.50.

CHIONODOXA (Glory of the Snow). Among the most exquisite of spring-flowering bulbs, and should be grown in quantities. Produce flower spikes bearing 10 to 15 lovely Scilla-like flowers. Perfectly hardy, and may be planted as an edging to a bed or in masses; naturalized in the lawn they are charming; they flower with the Snowdrops and last a long time. Thrive well in any good garden soil, and are admirable for pot culture. Doz. 100 1000

Chionodoxa Lucillae. Bright blue with large clear white center (large cultivated bulbs)..... \$0 20 \$1 25 \$10 00

Chionodoxa Sardensis. Intense deep blue (large cultivated bulbs)..... 25 1 25 10 00

CYCLAMEN (Giant Flowered). Flowers are of mammoth size and borne well above the foliage on long stiff stems. Coloring includes the most brilliant as well as the most delicate shades—deep crimson, purest white, rose and white with carmine spots and flakes. The foliage is a rich green, with showy light markings. Plant in September or October in a 5-inch pot, using light, rich soil, and water sparingly until growth begins, after which it may be treated like other house plants.

Dormant Bulbs (Pure White, White with Carmine Eye, Crimson Rose with Dark Eye). Any of the above varieties, each 25c; 3 for 60c; 6 for \$1.10; doz. \$2.00, postpaid.

Mixed Varieties. Each 15c; 3 for 40c; 6 for 75c; per doz. \$1.25, postpaid.

See Page 9 for Collections of Tulips and Hyacinths for Beds

St. Brigid. A new and greatly improved race of Irish production, bearing magnificent flowers, double, semi-double and single, 3 to 5 inches across, and of the richest as well as the daintiest colors, markings, blendings, etc. There are maroon, bright scarlet, blood crimson, rose, pink, flesh color, mauve, blue, purple, yellow, cream, white, tinted, variegated, striped, zoned, etc., in endless variety. The flowers are borne freely on long stems and are extravagantly beautiful when vased, the graceful feathery foliage supplying a charming setting. Doz. 40c; 100 \$2.50; 1000 \$20.00.

CALOCHORTUS or Mariposa Tulips. These famous California flowers possess much delicacy and brilliancy of coloring. They somewhat resemble a tulip in shape, and are of many colors, shades and markings.

Mixed Calochortus, dozen 30c; 100 \$2.00.

ERANTHIS HYEMALIS (Winter Aconite). Early in spring the golden blossoms of the Winter Aconite look charming, resting on an emerald-green cushion of leaves and forming a striking contrast to the Snowdrop, Scillas and Chionodoxa. The foliage remains long after the flowers, making the plant especially valuable in moist situations, such as under trees. 8 inches high. Doz. 20c; 100 \$1.00.

ERYTHRONIUM (Dog's - Tooth Violets). Beautiful plants, perfectly hardy; the foliage is usually charmingly variegated, and a mass of 15 or 20 plants is a pretty sight. Plants luxuriate in rather moist, partially shady positions, and do very nicely when grown in pots for winter blooming. Mixed, per doz. 50c; per 100 \$3.00.

FRITILLARIA IMPERIALIS (Crown Imperial). Old time garden favorite; large bell shaped flowers borne on tall, stout, leafy stem and surmounted by a tuft of green leaves. Plant bulbs on their side to prevent center rotting out. Ea. 15c; 3 for 30c; doz. \$1.15, postpaid.

FRITILLARIA MELEAGRIS. Singular dwarf spring-flowering plants, bearing large pendant bell-shaped flowers of various colors, yellow, white, black, purple, striped and splashed and checkered in the most curious way. They are invaluable for pot culture and exceedingly pretty when grown in large groups in the garden border or wild garden in a dry situation.

Mixed Varieties, doz. 25c; 100 \$1.50.

LEUCOCJUM VERNUM (Spring Snowflake). Pretty bulbous plants allied to the Snowdrop, but of much stronger and bolder habit, growing in rich soil from 1 to 2 feet high, and producing freely beautiful large white flowers distinctly tipped with green; excellent for cutting. When once planted they take care of themselves, and should have a place in all hardy collections; can also be grown in pots.

Per doz. 25c; per 100 \$1.50; 1000 \$12.00.



CHIONODOXA

MISCELLANEOUS BULBS—Continued



GALANTHUS, or Snowdrops

GALANTHUS (Snowdrops.)

In early spring there is nothing more beautiful than graceful blossoms of the snowdrop. Beds and effects of surpassing beauty may be arranged with *Scilla Sibirica*, or *Chionodoxas*. In beds of Tulips and Hyacinths, Snowdrops are very effective between the lines; they flower while these bulbs are just moving the surface, and when the flowers are over there remains an elegant groundwork of green foliage. Used as a permanent edging, and in masses on the edges of lawns, nestling in the grass, they look charming. Snowdrops are easily flowered in pots during the winter.

Single Snowdrops.

Largest Bulbs, doz. 15c; 100 85c; 1000 \$7.00.

Double Snowdrops.

Largest Bulbs, doz. 30c; 100 \$2.00.

Elwes' Giant Snowdrop. One of the finest of the genus, at least three times the size of the ordinary single Snowdrop; flowers slightly marked with green spots; fine for cutting.

Largest bulbs, doz. \$1.00; 100 \$1.00; 1000 \$8.00.

SCILLA SIBIRICA (Blue Bells). With winter hardly over, and nothing but possibly the Snowdrop in bloom, the *Scilla* comes into flower with almost miraculous rapidity. It is richly colored and produced in quantity, staying in flower for a long while. For massing around Tulip, Hyacinth or Daffodil beds nothing can equal it; for planting among shrubbery in herbaceous beds in clusters of 50 or more bulbs its blaze of color is wonderfully effective. Once planted it remains for years; they are extensively used for naturalizing in woodlands. They do well if planted indoors in pots or pans (not less than a dozen); a continuous flowering period may thus be had from Christmas until April.

JUMBO BULBS.....	Doz.	100	1000
MAMMOTH BULBS.....	\$0 75	\$4 50	
SELECT BULBS.....	25	1 50	\$12 00
	15	1 00	9 00

SCILLA CLUSII, or Cuban Lily. This is a large bulb which produces an enormous head of dark blue, star-shaped flowers, sometimes a foot in circumference; not hardy. Each 15c; 4 for 50c; doz. \$1.40 postpaid.

SPARAXIS. Beautiful flowers about 2 inches across, borne on long, graceful spikes; the colors are of the most telling combinations and of the brightest shades. They are tigered, blotched, spotted, streaked and flushed in the most diverse and pleasing manner. The bulbs are not hardy, but do exceptionally well when grown in the conservatory or house in pots or in cold frames and flower during the winter and spring. Mixed colors, doz. 20c; 100 \$1.00.

TRITELIA UNIFLORA. A hardy little spring-blooming bulb. The flowers are white, with a delicate band of blue across the center of each petal, and are often 1½ inches in diameter. Should be planted thickly as an edging or in thick clumps, Each 3c; doz. 15c; 100 for 75c; 250 \$1.50.

TRILLIUM GRANDIFLORUM, Native Wood Lily. One of the most beautiful of our native flowers. Hardy everywhere. Plant in partial shade. Splendid for naturalizing in moist shaded places. Flowers pure white, turning in a few days to a soft rose. Each 7c; doz. 75c; 25 for \$1.25; 100 for \$4.00; 250 \$8.75, postpaid.



RANUNCULUS

OXALIS

Most of these Oxalis flower from October until Christmas, and later. Easily grown, requiring only a good, somewhat peaty soil, with considerable light, for their successful growth. Put 4 to 5 in a 4-inch pot. Charming for hanging baskets.

ALBA. White. 4 for 10c; doz. 25c; 100 \$1.50; 250 \$2.75; 1000 \$10.00.

CERNUA LUTEA. Single yellow. 4 for 10c; doz. 25c; 100 \$1.50; 250 \$2.75; 1000 \$10.00.

NEW DOUBLE YELLOW. 3 for 10c; doz. 35c; 100 \$2.25; 250 \$4.00.

HIRTA ROSEA. Pink. 4 for 10c; doz. 25c; 100 \$1.25; 1000 \$7.00.

VERSICOLOR. Red, violet and white. 4 for 10c; doz. 25c; 100 \$1.25; 1000 \$7.00.

BOWELL. Rosy-red, yellowish base. 4 for 10c; doz. 25c; 100 \$1.50; 1000 \$12.00.

DEPPEL. (*Tetraphylla* or *Four-leaved*.) Deep reddish purple violet; a strong grower, flowering well. 4 for 10c; doz. 25c; 100 \$1.25; 1000 \$7.00.

MIXED OXALIS. Many varieties. 3 for 5c; doz. 15c; 100 \$1.00; 1000 \$5.00.

GRAND DUCHESS OXALIS. Flowers are large, often measuring 3 inches in diameter and are borne well above the foliage, the leaves being large, clover-shaped; handsome, profuse bloomer, and will remain in flower for months. Pink, white and lavender. 4 for 10c; doz. 25c; 100 \$1.50; 250 \$3.25.

BERMUDA BUTTERCUP OXALIS. A profuse bloomer. The flowers, which are borne in clusters, are of a bright canary-yellow, and make a beautiful contrast against the background of dark green foliage. Each 4c; 3 for 10c; doz. 30c; 100 \$2.00; 1000 \$15.00.

ORNITHOGALUM ARABICUM

(*Star of Bethlehem*.)

A beautiful variety, throwing up a tall spike bearing numerous large, milk-white, star-shaped flowers, with a black center and having a distinct aromatic perfume. Grown in the garden, but are more largely grown for greenhouses and window decoration, being of the easiest culture.

Doz. 30c; 100 \$2.00 or delivered 100 for \$2.50.

RANUNCULUS (Buttercups)

Resembles a giant double buttercup. They should be grown in pots indoors for winter blooming or in frames outdoors for early spring flowering. May be planted outdoors latter part of March or early April, in a shaded place (moist preferred). Bloom in June; height 12 inches.

PERSIAN, Fireball. Vermilion.....	Doz.	100	1000
" Hector. White pointed brown	25	1 50	10 00
" Mont Blanc. Pure white.....	30	2 00	15 00
" Zwarte Konig. Black.....	30	2 00	15 00
" Mixed. All colors.....	20	1 00	8 00
FRENCH, Princess Alice. Yellowish			
White.....	25	1 50	10 00
FRENCH, Radetsky. Fine scarlet..	25	1 50	10 00
" Sulphurex. Light yellow....	25	1 50	10 00
" Mixed. All colors.....	15	85	7 00
TURBAN, Hercules. Pure white...	40	2 50	20 00
" Merveilleuse. Orange-yellow	40	2 50	20 00
" Romano. Scarlet.....	30	2 00	15 00
" Mixed. All colors.....	15	85	7 00



SCILLA SIBIRICA



VAUGHAN'S GIANT PANSIES

One of the loveliest blossoms which greet our eye in early spring. The dainty, velvety, many colored little faces welcome us from the springtime until late fall, if properly grown in a shady spot. To insure a fine bed of pansies for next year plant seeds now. A leaflet, "How to Grow Pansies," is included in all orders for Pansy seed if asked for at the time of ordering. The higher priced packets will produce larger flowers.

VAUGHAN'S INTERNATIONAL MIXTURE

This is one of the specialties which has established and held Pkt. the reputation of Vaughan's Flower Seeds, and this is one which we maintain most carefully, not alone as to quality, but in vitality and germination.
Price, pkt. (250 seeds), 25c; 3 pkts., 65c; 5 pkts \$1.00.

VAUGHAN'S GIANT MIXTURE

Includes the richest reds, coppers and bronzes, together with the most delicate rose pink shadings and the Masterpiece strain with its delicate veinings and ruffled petals.
½ oz. \$1.00; 1 pkt. (250 seeds), 20c; 3 20-c pkts. 50c; 125 seeds 10c

VAUGHAN'S COLLECTION OF GIANT PANSIES

One packet, containing 50 seeds each, of Emperor William, Coal Black, Fiery Faces, Lord Beaconsfield, Pure White, Pure Yellow, Madam Perret. 7 packets for.....25c



SWEET PEAS—Spencer Type

GIANT PANSIES—Named Sorts

Pkt.

- Bridesmaid.** Its ground color is a rosy white, with a dark blotch in center..... 10c
Coal Black. A jet black of truly giant size..... ½ oz. 35c.. 10c
Emperor William. Splendid ultramarine blue with purple eye..... ½ oz. 35c.. 10c
Fiery Faces (Fire King). Rich scarlet with gold edge and yellow center 10c
Lord Beaconsfield. Rich combination of purple and lavender shading to white near the top..... ½ oz. 35c.. 10c
Madam Perret. Dark wine, pink and red, beautifully veined and all with a white margin..... 10c
Masterpiece. This strain comes nearer to the Double Giant Pansies than anything ever introduced under that name. In reality the number of petals remain the same as that in other pansy flowers, but they are crimped and curled in such a fashion that they appear double. 100 seeds..... 10c
President Carnot. Ground color white while each petal has a blotch of darkviolet.. 10c
President McKinley. The ground color is golden yellow, while each petal has a blotch of dark violet..... 10c
Psyche. The characteristic five velvety blotches are surrounded by a broad white edge curled and undulated..... 10c
Pure White. Pure white without blotches..... ½ oz. 35c.. 10c
Pure Yellow. Pure golden yellow without blotches..... 10c
Vulcano. Color bright dark red, each petal being marked with a very large dark blotch and the edges of the petals are curled like the Masterpiece..... 10c
White with Eye. Pure white with large violet blotch on three lower petals, ½ oz. 35c.. 10c
Yellow with Eye. Beautiful clear yellow, heavily blotched on lower petals. ½ oz. 35c.. 10c

SWEET PEAS FOR FALL PLANTING

Sowing in late November or early December in the open ground secures flowers earlier in the season than from seeds sown in spring, and the root growth is stronger, so it carries a plant through a dry season better, and the season of blooming is prolonged.

12 BEST SWEET PEAS

The following is our selection of the twelve best Spencer varieties, and we offer one (regular size) packet of each for 50c, postpaid. These are enclosed in an attractive bag with distinctive printing. If purchased separately they would cost \$1.20.

White. White Spencer.
Crimson. King Edward Spencer.
Mauve. Tennant Spencer.
Blush. Florence Morse Spencer.
Pink. Countess Spencer Variety.
Lavender. Asta Ohn.

Apricot. W. T. Hutchins.
Striped. Senator Spencer.
Rosy Carmine. George Herbert.
Primrose. Primrose Spencer.
Orange Rose. Aurora.
Rose Carmine. Marie Corelli.

For Complete List of Flower Seeds see Spring Catalogue

PERENNIALS FOR FALL SOWING

These seeds should be sown during late Summer and early Fall in seed beds and transplanted to their permanent location before frost and the plants protected during the winter. Plants treated this way will bloom the following year and each succeeding year. We have given below a list of the 15 best varieties.

	COMMON NAME.	Per Pkt.
<i>Aquilegia</i> , Vaughan's Special Mixture.....	Columbine.....	\$0 25
<i>Gampanula Calycanthema</i> , mixed.....	Cup and Saucer.....	05
<i>Coreopsis Lanceolata</i>	Tickseed.....	10
<i>Delphinium</i> , Vaughan's Perennial Mixture.....	Larkspur.....	25
" Chinese, blue or white.....	".....each 5c.	.....
<i>Dianthus Barbatus</i> , Special Mixture.....	Sweet William.....	25
" <i>Plumarius</i> , ".....	Grass Pink.....	15
<i>Digitalis</i> , Vaughan's Special Mixture.....	Foxglove.....	15
<i>Gaillardia</i> , Kelway's Hybrids.....	Blanket Flower.....	25
<i>Hollyhock</i> , Vaughan's Prize Mixture.....	.....	10
<i>Poppy</i> , Oriental Hybrids.....	.....	10
" Nudicale mixed.....	Iceland.....	10
<i>Pyrethrum Roseum Hybridum Grandiflorum</i>.....	.....	15
<i>Shasta Daisy</i> , Alaska.....	.....	10
<i>Stokesia Cyanea</i>	Cornflower Aster.....	10

VAUGHAN'S SEED STORE:

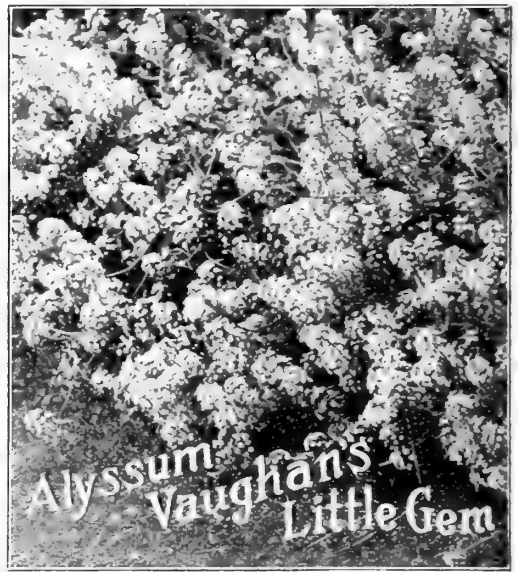
The Pansies, Gaillardias and Sweet Williams from seed furnished by your store are now in bloom and are marvels of bloom. No language can describe the marvelous beauties of the Sweet William. June 10, '12. E. H. STILES, Gotham, Wis.

PERENNIAL GAILLARDIA

ANNUALS FOR INDOOR CULTURE

Annuals may be grown successfully indoors during the winter, providing one has a conservatory or a sunny window and does not use gas in heating or lighting. The following is a list of varieties best adapted for this purpose:

	Per Pkt.
<i>Sweet Alyssum</i>	\$0 05
<i>Balsam</i> , Vaughan's Invincible Mixed.....	15
<i>Calendula</i> , Orange King.....	05
<i>Canary Bird Creeper</i>	05
<i>Candytuft</i> , Giant Hyacinth-Flowered, white.....	05
<i>Larkspur</i> , Double Dwarf Rocket, Mixed.....	05
<i>Lupinus</i> , Dwarf Annual, mixed.....	05
<i>Mignonette</i> , Giant Machet.....	10
<i>Nasturtium</i> , Vaughan's Special Dwarf Mixed.....	10
<i>Poppy</i> , Santa Rosa.....	05
<i>Portulaca</i> , Single Mixed.....	05
<i>Stocks</i> , Giant Perfection Mixed.....	10
<i>Wallflower</i> , Parisian Forcing.....	05



INDIAN SWEET GRASS

Sweet Grass is an excellent basket-weaving material, and may be combined with Raffia with charming effects. As its name implies, it possesses a delightful fragrance. Oz., 12c; 1-4 lb., 40c; lb., \$1.25.

WOOD RIBBON

Imported from Germany. Very thin, 2 1/2 inches wide and comes in 7 fine colors, besides natural. Oz., 20c; 1-4 lb., 50c; lb., \$1.50.

INDIAN SPLINTS

Made from ash wood by the Indians. These splints are one-half inch wide. 7 colors, besides natural. Oz., 20c; 1-4 lb., 50c; lb., \$1.50.

BASKET BOOKS, Postpaid

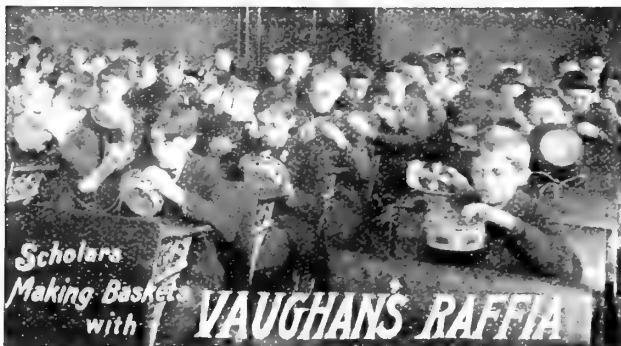
Basket Making. Morse. Paper, 32 pages, illustrated. For beginners.....	\$0.25
How to Make Baskets is the title of a very instructive work. By Mary White. Bound in cloth, 194 pages, illustrated.....	1.00
Raffia and Reed Weaving. Knapp. Cloth. 132 pages, illustrated.....	.50
Indian Basketry. James. Cloth. 402 pages, illustrated.....	2.50
More Baskets and How to Make Them. White. 157 pages.....	1.00

SEEDS FOR ORNAMENTAL WORK

Owing to the demand for seed for the above purposes, we are prepared to supply **Musk Melon Seed**, which may be used in making fancy bags, at

1 lb., 40c; 1-2 lb., 25c; 1-4 lb., 15c; postage 8c per lb. extra.

JOBS TEARS, which may be used in making rosaries, and when strung on a linen thread and worn around the neck as a chain is said to be an old-fashioned remedy for sore throat, goitre or teething babies. 1 lb., 45c; 1-4 lb, 15c; 1oz., 5c; postage 8c per lb. extra.



RAFFIA FIBRE for BASKETS, Etc.

Besides the natural shade we have it in fourteen different colors, a sample card of which will be mailed upon request.

Natural, bunch (about 3 ozs.).....	\$0 10	Colored, bunch (about 2 ozs.).....	\$0 10
Natural, per lb.....	25	Colored, per lb.....	50
Natural, 5 lbs.....	1 00	Mixed Colors, per bunch.....	10
Special White.....	2 oz. bunch, 10c; 1 lb. 35c; 5 lbs. 1 25		

By mail, 1 cent per ounce extra.

REEDS (RATTAN)

Since the recent awakening to the importance of basketry Rattan has been brought into marked prominence. Like Raffia, it is also a palm, growing to an astonishing height, and found mainly in China and the Philippine Islands. Nos. 1 to 8 are the common sizes, 6 and 8 being used for the coarser work.

	Oz.	1/4 Lb.	Lb.		Oz.	1/4 Lb.	Lb.
No. 1.....	\$0.10	\$0.35	\$1.25	No. 5.....	\$0.05	\$0.18	\$0.60
No. 2.....	.08	.30	1.00	No. 6.....	.04	.15	.50
No. 3.....	.07	.22	.75	No. 8.....	.04	.13	.45
No. 4.....	.07	.22	.75				

By mail, 16c per lb. extra.

VAUGHAN'S DECORATIVE AND HOUSE PLANTS

Unless instructed to the contrary, all orders are forwarded by express, at buyer's expense

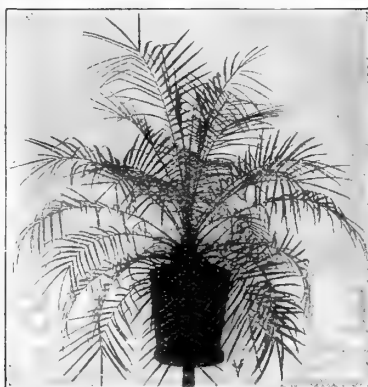
Plants by Mail. Small plants, when ordered at the "each" price, will be sent free by mail when so desired, and it is practicable, the soil being entirely or partly removed and the roots carefully wrapped in damp moss. Bulky plants such as large Roses, Shrubs, etc., we send by express only.

Plants by Express. At the purchaser's expense, but at 20% less than the general merchandise rate. We strongly urge this method of transportation as it enables us to give better values in larger and finer plants and they will arrive in a more satisfactory condition. We add extra plants to help defray express charge

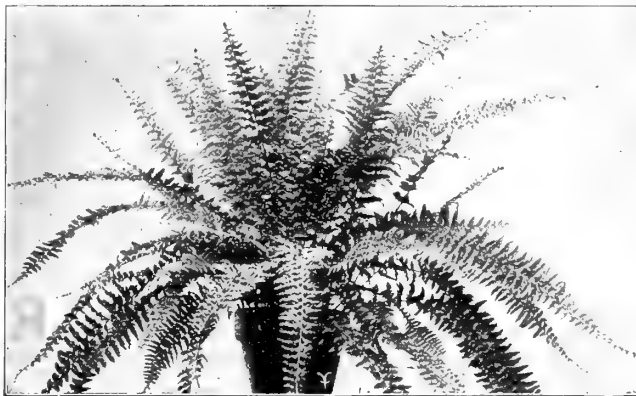
Plants by Rail. Trees, Shrubs and other dormant stock can be forwarded safely by fast freight lines, even to very distant points, at low rates.

Safe Arrival Guaranteed. We guarantee the safe arrival of all plants to any point in the U. S. or Canada when sent **by express**. If forwarded in any other manner they are entirely at the risk of the purchaser.

Important. All orders are shipped as soon as possible upon receipt. If instructions accompany the order, we will reserve plants for future shipment. This applies especially to plants ordered during freezing weather.



PHOENIX ROEBELENI



BOSTON FERN



KENTIA BELMOREANA

These make excellent presents for birthdays, holidays, etc. Customers who wish to have any of these plants shipped or delivered may depend on getting choice plants. We shall be glad to attach cards if desired.

Besides the sizes we list, we have choice and larger plants, ranging in prices from \$2.00, \$3.00, \$5.00 and up to \$30.00 in some varieties.

ARACARIA (Norfolk Island Pine). 12 in. high, \$1.00 each, by express.

ASPARAGUS Plumosus (Lace Fern.) Fine for table decoration. 15 cents each, postpaid. Larger plants, 25 cents and 50 cents each, by express.

Hatcherii (New.) An improvement on Plumosus, which it resembles, being a stronger and more rapid grower. Each, 20 cents. Larger plants, 35 cents and 50 cents each.

Sprengeri. Suitable for hanging baskets, 15 cents each, postpaid. 4 in. pot plants, 25 cents each, by express.

ASPIDISTRA Green or Variegated. (Iron Plant.) \$1.50 and \$2.00 each, by express.

AUCUBA Japonica Variegata. Much prized for hall decoration. Large, glossy green leaves, spotted yellow. 15-18 in. high, by express, each \$1.00, 3 for \$2.75. 24-30 in. high, by express, each \$2.00, 3 for \$5.50.

AZALEAS. Fine winter-blooming house plants. Colors from pure white to deep crimson-scarlet. Plants freshly imported ready Nov. 1st. Write for prices.

BOXWOOD—Bush shaped. These evergreen plants are fine for window boxes. Ready about Nov. 1st. Must be shipped by express.

	Each	Pair	Doz.	100
12 in.	\$.50	\$.90	\$5.00	\$40.00
18 in. ....	.85	1.60	9.00	70.00

Prices on Globe, Pyramid, Standard shaped and larger Bush shaped plants on application.

CALADIUMS Fancy Leaved. Named varieties for conservatories or planting outside in partially shaded borders when ground is warm. Dormant bulbs ready in January, each 30 cents, 6 for \$1.50; doz., \$2.50, postpaid.

CHRYSANTHEMUMS. Bush plants in bloom, ready for delivery from Oct. 20th to Nov. 20th, in all colors from 75 cents each and up. Write for sizes.

CROTONS. The richest of all variegated plants, fine for indoor culture. Small plants, each 30 cents; doz., \$3.00. Larger plants, each 50 cents; specimens, each \$1.00, \$1.50, \$2.00 and \$3.00, by express.

CYPERUS ALTERNIFOLIUS. (Umbrella Plant.) Excellent house or aquatic plant. 3-in. pots, each 15 cents; 4-in. pots, each 25 cents.

DIEFFENBACHIA Magnifica. Foliage shining green, beautifully variegated with pure white spots. Each 50 cents; \$1.00 and \$1.50, by express.

DRACAENA Indivisa. Much used for vases, window-boxes and hanging baskets. 4-in. pot plants, each 25 cents; doz., \$2.50, by express. 5-in. pot plants, each 50 cents, doz., \$5.00, by express.

Lindleyi, **Massangeana** and **Terminalis** in various sizes for conservatories, 75 cents to \$2.00 each, by express.

FERNs. **Boston.** The common house variety so deservedly popular. 20 cents each; 3 for 50 cents, postpaid. Larger plants, 50 cents, 75 cents, \$1.25. Specimens, \$3.00 to \$6.00. All by express.

Maiden Hair. (*Adiantum Hybridum*.) 20 cents each; 3 for 50 cents, postpaid.

Roosevelt. Similar to Boston but with undulated pinnae. Each 20 cents; 3 for 50 cents, postpaid. Larger plants, 75 cents and \$1.25 each, by express.

Small Ferns for Dishes. One each, 8 distinct varieties, dwarf in habit, suitable for ferneries. 15 cents each; 3 for 40 cents; 8 for \$1.00, postpaid.

Whitmani (*Ostrich Plume Fern*.) Finely divided fronds resembling a plume. 20 cents each; 3 for 50 cents, postpaid. Larger plants, 75 cents and \$1.25 each, by express.

FICUS *Elastica* (Rubber Tree.) 12 in. high, 60 cents each, by express.

HYDRANGEA *Otaksa*. Deep rosy pink flowers in large clusters. 3-year, dormant, ready in January, at \$1.00 each.

PALMS. In *Kentias*, *Latanias* and *Phoenix* we have a choice line of plants 50 cents each and up, and shall be glad to submit prices on sizes to suit.

PHOENIX *Roebeleni* (The Iron Palm.)

This may be truly styled the Iron Palm as it is absolutely the hardiest of the decorative plants. It is more hardy than the *Kentia* and has a beauty that no other palm possesses. Its foliage is fine and has a grace and airiness greater than the remarkable *Cocos* which it has replaced both as individual specimens and as centers of fern dishes.

As yet this *Phoenix* is almost unknown, but it is finding more favor with our customers and is destined to be the house plant of the future. The above illustration cannot begin to do this palm justice.

Inch pots	Inches high	Each	Inch pots	Inches high	Each
3.....	6 to 8.....	\$0.50	5.....	12 to 15.....	\$2.00
4.....	10.....	1.00	6.....	18.....	3.00
			7.....	20.....	5.00

Specimens, very bushy in 8-in. tubs, each \$6.00.

PANDANUS (*Screw Pine*.) Useful as specimens or for centers of vases and window-boxes.

Utilla. Green leaves, red spines. 50 cents and 75 cents each, by express.

Veitchii. Variegated green and white. \$1.00, \$2.00 and \$3.00 each, by express.



VAUGHAN'S HARDY PERENNIALS

Hardy Perennials, better known as "Old Fashioned Garden Flowers," are yearly making rapid strides in popularity and it is not to be wondered at when we consider the many uses for them. We carry a large stock of these old fashioned flowers, also many new ones which are improvements on existing sorts or new introductions entirely.

With the material offered in this list the most beautiful and interesting gardens are to be made; gardens that increase in interest and beauty year after year; gardens that change their aspect with every change of season.

A properly planted and cared for border of hardy plants can be one of the main features of the home grounds for, by a judicious selection, blooms may be had in it from the melting of the snow until frost sets in.

It is always advisable to have a planting plan, no matter how crude, and arrange on paper the plants you wish to use in their exact relation to position, bearing in mind the heights, colors and time of flowering or foliage effect. All this may be had by consulting the list below. It is always wise to plant in masses as these Perennials are usually found so in nature, and natural conditions should be copied as much as possible. A small number of varieties well arranged are more satisfactory than the whole planted with one of a kind of many varieties. But the garden of hardy plants has this advantage: the individual beauty of the

plants themselves is so great that a garden cannot fail to be interesting and lovely, no matter how badly arranged, if the cultural skill is sufficient to bring them to perfection.

Parties ordering for the first time and not familiar with the different sorts will do well to consult us, allowing us to make the selection, as we are always willing to give our customers the benefit of our many years of experience.

Bearing in mind that the plants must remain as set for several years it is well to make a thorough preparation. Have the ground in a good tilth before doing any planting. Spade in a liberal quantity of well rotted manure, early in the fall, if convenient.

No definite date can be given as the beginning or ending of the planting season for the time to plant depends entirely on the soil conditions, the weather and maturity of the plants. It is always well when planting in the fall to get this work done as early as possible so as to give the roots a chance to develop before cold weather sets in. It must be borne in mind that the soil stays warm at this season long after the air is cold and roots will grow until the ground freezes. Plants well established seldom suffer from fall planting.

The great advantage of setting stock out at this season, and this applies equally well to shrubbery, is that when spring opens the plants are in the ground and are ready to grow the first warm day, without a loss of time.

All orders are forwarded upon receipt, unless otherwise instructed to the contrary. Custom-

Of all varieties marked with an asterisk (*) we can supply larger clumps at a 50% increase in price, by express only

Where price per "each" is 15c, 20c, 25c, we furnish 3 for 40c, 3 for 50c, 3 for 65c

Regarding Prices

Where price per "each" is 15c, 20c, 25c, we furnish 3 for 40c, 3 for 50c, 3 for 65c

Vaughan's Special Offer of Hardy Plants in Variety

The plants in the following collections will be of the most desirable varieties and of the best quality, but in every instance the selection of varieties will be our own. We cannot furnish list of varieties in these collections, but will send out everything labeled.

No. 21—Hardy Plants 25 first-class plants in variety for \$3.00
No. 22— " " 50 " " " " " " 5.00
No. 23— " " 100 " " " " " " 9.50

No. 24—Hardy Plants 250 first-class plants in variety for \$23.00
No. 25— " " 500 " " " " " " 45.00
No. 26— " " 1000 " " " " " " 85.00

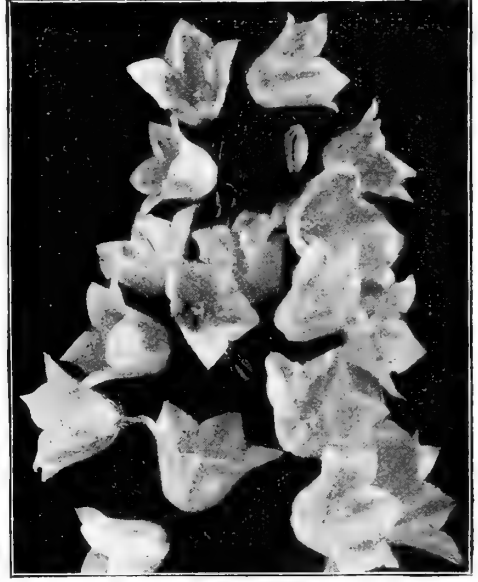
Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
ACHILLEA	Milfoil.						
*Eupatorium		All Summer.	Yellow.	4-5 ft.	15c	\$1.50	Achilleas are of easy culture and grow in any good garden soil. They are useful for the border, wild garden or shrubbery; also for cutting, especially the Pearl.
Millefolium Roseum		June-Aug.	Pink.	2 ft.	15c	1.50	
The Pearl		June-Aug.	Double White.	2 ft.	15c	1.50	
ACONITUM	Monk's Hood or Helmet Flower						
Wilsoni (New)		Sept.-Oct.	Pale Blue or Violet.	6 ft.	25c	2.50	Erect growing plants, with palmately divided foliage; good for under trees or shady places, where they thrive best. The roots are poisonous. This variety is a novelty recently introduced from China.
ACTAEA							
Japonica	Baneberry.	Sept.-Oct.	White.	2½ ft.	20c	2.00	A native plant, with long, feathery racemes; requires a shady place. The flowers are followed by clusters of black berries.
ADONIS							
Amurensis Fl. Pl.	Pheasant's Eye.	April-May.	Dble. Yellow.	1 ft.	75c	7.50	A very beautiful, rare, spring flowering perennial for shady situation, flowers double yellow, with green center. A desirable novelty.
ALYSSUM	Madwort						
Argenteum		June.	Golden Yellow.	1½ ft.	15c	1.50	Showy spring flowering plants. Valuable for front row in border or rock garden.
Saxatile Compactum	Gold Dust.	May-June.	Golden Yellow.	1 ft.	15c	1.50	
ANCHUSA							
Angustifolia	Cape Forget-Me-Not.	May-June.	Dark Blue.	2 ft.	15c	1.50	Forget-Me-Not like, blue flowers, borne in great profusion. Dropmore variety is new and one of the best blue perennials, coming into bloom before the Delphiniums, and continuing in flower throughout the summer.
Italica Dropmore Variety		May-June.	Blue.	5-6 ft.	25c	2.50	
ANEMONE	Wind Flower.						
Canadensis		June-Aug.	White.	1 ft.	15c	1.50	Anemones are valuable hardy plants for the decoration of the garden and for cut flower purposes. Canadensis is a pretty native windflower growing 12 to 15 inches high producing its white flowers in profusion throughout the summer. The Japanese varieties are valuable plants for the fall. They like a good rich soil, and although they will do well in sunny situations if the soil is moist, they do best when planted in partial shade. They should be left undisturbed for years as it is only when they are well established that they are seen in their full beauty.
Sylvestris Fl. Pl.	Snowdrop Windflower.	May-June.	Double White.	6-8 in.	20c	2.00	
Sylvestris	Snowdrop Windflower.	May-June.	Single White.	6-8 in.	15c	1.50	
JAPONICA							
Alice		Aug.-Nov.	Carmine Pink.	Dbl. 3 ft.	35c	3.50	This Hardy Marguerite is one of the most satisfactory hardy perennials, succeeding in the poorest soil. The flowers are deep yellow.
Geante des Blanchés		Aug.-Nov.	White.	2-3 ft.	40c	4.00	
Honore Jobert		Aug.-Nov.	Snow White.	2-3 ft.	15c	1.50	
Kriemhilde		Aug.-Nov.	Rose Carmine.	2-3 ft.	40c	4.00	
Prince Henry		Aug.-Nov.	Dark Red.	2-3 ft.	20c	2.00	
Queen Charlotte		Aug.-Nov.	Double Pink.	2-3 ft.	15c	1.50	
Whirlwind		Aug.-Nov.	Double White.	2-3 ft.	15c	1.50	
ANTHEMIS	Marguerite.						
Kelwayi		May-July.	Yellow.	1 ft.	15c	1.50	



AQUILEGIA or COLUMBINE



BOLTONIA



CAMPANULA PERSICIFOLIA ALBA

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.
AQUILEGIA						
Canadensis	Columbine.	June-Aug.	Red and Yellow	2 ft.	15c	\$1.50
Chrysantha	Spurred.	June-Aug.	Golden Yellow.	3 ft.	15c	1.50
Flore Pleno	Spurred.	June-Aug.	Double Yellow.	3 ft.	15c	1.50
Alba	Spurred.	June-Aug.	Pure White.	2 ft.	15c	1.50
Coerulea	Spurred.	June-Aug.	True Blue.	1 ft.	15c	1.50
Hybrida	Spurred.	June-Aug.	Mixed.	1 ft.	15c	1.50
Nivea Grandiflora		June-Aug.	White.	2 ft.	15c	1.50
Heleneae	Short spurs.	June-Aug.	Blue, white corolla.	2 ft.	15c	1.50
Rose Queen	Spurred.	June-Aug.	Yellow Anthers.	1 to 1½ ft.	25c	2.50
Skinneri	Mexican Columbine.	June-Sept.	Yellow, red spurs.	3 ft.	15c	1.50
Vulgaris Alba Fl. Pl.		June-Aug.	Double white.	2 ft.	15c	1.50
ARABIS						
Alpina	Rock Cress.	April-May.	White.	6 in.	15c	1.50
Flore Pleno		April-May.	White.	6 in.	25c	2.50
ARMERIA						
Formosa	Thrift.	June.	Pink.	9 in.	15c	1.50
Maritima		June.	Rosy Pink.	14 in.	15c	1.50
ARTEMISIA						
*Abrotanum	Southern Wood	June.		2-3 ft.	15c	1.50
Lactiflora	or Old Man.	Sept.-Oct.	White.	4-4½ ft.	35c	3.50
Stelleriana	Old Woman.	June-Aug.	White.	1½ ft.	15c	1.50
ASCLEPIAS						
Tuberosa	Butterfly-Weed.	June-Aug.	Bright Orange.	2 ft.	15c	1.50
ASPERULA						
Odorata	Waldmeister	May.	White.	6 in.	25c	2.50
ASTERS Hardy						
Acris	Michaelmas Daisy	Aug.-Oct.	Soft Blue.	1½ ft.	15c	1.50
Goliath (New)	or Starworts.	Aug.-Sept.	Violet purple.	1 ft.	25c	2.50
Alpinus Superbus.		May-Aug.	Blue.	7 in.	15c	1.50
White Dwarf Queen		Sept.-Oct.	Large White.	3 ft.	15c	1.50
BAPTISIA						
Australis	False Indigo.	June-July.	Dark Blue.	2½ ft.	15c	1.50
BELLIS						
Perennis	English Daisy	April-June.	Pink or White.	6 in.	15c	1.00
BLEEDING HEART						
	See Dielytra.	May-June.	Pink.	2½ ft.	20c	2.00
BOCCONIA						
Cordata	Plume Poppy.	July-Aug.	Creamy White.	7 ft.	15c	1.50
BOLTONIA						
	False Camomile					
*Asteroides		July-Oct.	White.	4 ft.	15c	1.50
*Latisquama		July-Oct.	Pink.	3 ft.	15c	1.50
CAMPANULA						
	Bell Flower					
Carpatica	Harebell	June-Aug.	Blue.	1 ft.	15c	1.50
Alba		June-Aug.	White.	1 ft.	15c	1.50
Latifolia Macrantha		June-Aug.	Dark Blue.	3-4 ft.	25c	2.50
Macrantha		June.	Rich purple.	2-3 ft.	25c	2.50
Medium	Canterbury Bells.	June-Aug.	Blue.	2 ft.	15c	1.50
Blue		June-Aug.	Mixed.	2 ft.	15c	1.50
Pink		June-Aug.	Pink.	2 ft.	15c	1.50
White		June-Aug.	White.	2 ft.	15c	1.50
Calycanthema	Cup and Saucer	June-Aug.	Mixed.	2 ft.	15c	1.50
Blue		June-Aug.	Blue.	2 ft.	15c	1.50
Pink		June-Aug.	Pink.	2 ft.	15c	1.50
White		June-Aug.	White.	2 ft.	15c	1.50
Persicifolia	Peach Bells.	June-Aug.	Blue.	4 ft.	15c	1.50
Alba		June-Aug.	Pure White.	2 ft.	15c	1.50
Moerheimi		May-Sept.	Double White.	2 ft.	25c	2.50
Pyramidalis	Chimney Bellflower.	September.	Blue.	4 ft.	25c	2.50
Alba		September.	Pure White.	4 ft.	25c	2.50

Use, Soil, Position, Etc.

The Columbine is one of the most beautiful hardy perennials producing graceful spurred flowers on stems 2 feet or more above the beautiful dark green divided foliage. They are much prized also for cut flower purposes making dainty decorations. They are one of the most important of our early hardy flowers and should be grown in quantity, being easy to establish and thriving in almost any situation. Splendid subjects for naturalizing in a semi-wild garden.

Arabis thrive well in a hot, dry situation and make a good covering for walls or rock garden, also front row in hardy border. They come into bloom very early and can be planted in beds filled with Hyacinths and Tulips in Fall.

Armerias require a good drained loam. A good plant for front of border, graves or rockery. Dwarf, compact, evergreen foliage. Excellent for cutting.

A useful class of plants either for the perennial border or the shrubbery. The variety Lactiflora is especially desirable producing long, graceful panicles of creamy white flowers.

Requires good, deep soil and full sun. Fine for cutting; should be in every collection on account of its splendid color.

Waldmeister is used for May wine. Creeping plant with hay-scented leaves; suitable for planting in shade, shrubbery or woodland.

These are amongst the showiest of our hardy perennials coming into bloom at a time when most other flowers are on the wane. They will succeed in any good garden soil.

Strong growing plant suitable for specimen in border, dark green foliage deeply cut, requires full sun and deep loam.

Valuable for edging beds or clumps in front of border.

A beautiful tall growing, hardy perennial, fine for back of borders, planting amongst shrubbery, or for center of large perennial beds. Thrives in ordinary garden soil.

These Aster-like hardy plants are useful for cutting especially the Latisquama type, remaining in bloom a long time; require good rich soil and an open situation in border or shrubbery.

A large beautiful and most important family for the flower garden. The dwarf species are charming for rock gardens, being as a rule, not difficult to cultivate. The Canterbury Bell is familiar and an old favorite, and is to be had in many colors. The habit of the plant as a rule is compact, ranging from 18 to 24 inches in height. The Canterbury Bells are most effective when planted in the mixed borders near the early Phloxes. The Persicifolia varieties are good perennial plants and the new double white variety Moerheimi is especially good, producing large spikes of double Camellia like flowers from the middle of May until late in July.

Pyramidalis is a tall growing species sending up its stalks of bloom 5 to 6 feet in height during August and continuing to bloom for six weeks or more. This variety makes splendid specimens for piazza decoration if grown in large pots or tubs.



COREOPSIS LANCEOLATA



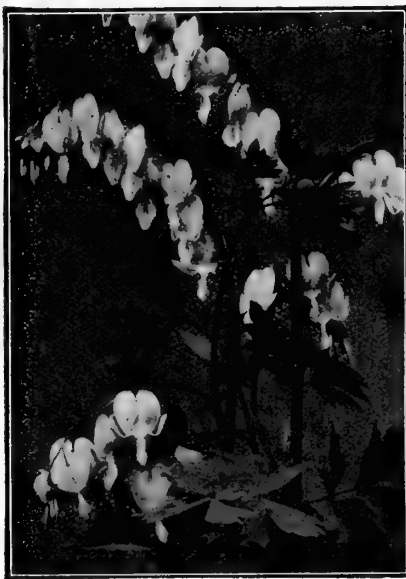
OLD-FASHIONED HARDY GRASS OR CLOVE PINK



DELPHINIUM (Larkspur)

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
CENTAUREA	Hardheads or						
Montana Mixed.....	Knap Weed.....	July-Sept.....	Blue and White.....	18 in.....	15c	\$1.50	Good border plants bearing thistle-shaped flowers of value for cut flowers, which last a long time in water; will grow in any soil.
*Ruthenica.....		July-Sept.....	Pale Yellow.....	3 ft.....	15c	1.50	
CENTRANTHUS							
Ruber.....	Jupiter's Beard or Red Valerian.....	May-Aug.....	Deep Red.....	2-3 ft.....	15c	1.50	Good for border and the rock garden; will thrive anywhere even in a very dry situation.
CERASTIUM							
Tomentosum.....	Snow in Summer.....	May.....	White.....	8 in.....	15c	1.50	Silvery foliage, fine for graves, steep banks and dry places; also formal gardens.
CHRYSANTHEMUM							
Maximum Type.....	Moon Penny Daisy.....	June-July.....	White.....	2 ft.....	15c	1.50	Fine hardy border plants, their large Daisy-like flowers being produced in great profusion. They are splendid for cut flower purposes, lasting well when cut. They are perfectly hardy and thrive in any soil.
Mrs. Lothian Bell.....		June-Sept.....	Large pure white.....		30c	3.00	
CIMICIFUGA							
Americana.....	Snake Root.....	Aug.-Sept.....	White.....	2-3 ft.....	20c	2.00	Valuable plants for the border by reason of their late flowering, beginning in September and continuing in flower throughout October. The flowers which are white are produced on dense spikes on stems ranging from 2½ to 3 feet high. They succeed well in the shade.
Dahurica (New).....		July-Sept.....	Creamy White.....	3 ft.....	35c	3.50	
Simplex (New).....		Sept.-Oct.....	White.....	3 ft.....	50c	5.00	
COREOPSIS	Tickseed						
Lanceolata.....		May-Oct.....	Yellow.....	2 ft.....	15c	1.50	One of the most popular hardy plants, the flowers a rich golden yellow of a beautiful graceful form. They are indispensable for cut flower purposes.
Rosea.....		June-Sept.....	Pink.....	1 ft.....	15c	1.50	
DAISY (English)							
Mammoth Pink or White.....		All Summer.....	Pink or White.....	6 in.....	15c	1.00	Indispensable for edging beds, borders or graves; will grow in any soil, but prefer a partially shaded situation. By cutting off the faded flowers, the flowering season is prolonged and fresh flowers may be had all the Summer.
DAISY Shasta							
Burbank's New Semi-Double.....		All Summer.....	White.....	2 ft.....	50c	5.00	Burbank's new semi-double is everblooming, with semi-double flowers, flowering throughout the whole season. Exceptionally fine for cutting.
*Shasta Improved.....		May-Oct.....	White.....	2 ft.....	15c	1.50	
DELPHINIUM	Perennial Larkspur						
Belladonna.....		May-Sept.....	Sky Blue.....	2 ft.....	25c	2.50	Few plants are so handsome in the garden as these perennial Larkspurs. There are many species in cultivation but the most important are the tall hybrids of which there are many varieties with a wonderful range of color. They are valuable for their great variety in height, varying from 1 to 6 feet, for their great variety in shades of color, ranging from the palest lavender through every conceivable shade of blue to deep indigo. There is also a great variety in the size and form of their individual blooms, some are single, some semi-double and some perfectly double. They thrive in almost any situation or soil, and are easily increased, being perfectly hardy. A good deep rich soil will repay with larger and better flowers.
Capri.....	New.....		Sky Blue.....	3-4 ft.....	50c	5.00	
Chinense.....		June-Aug.....	Light Blue.....	3 ft.....	15c	1.50	
Album.....		June-Aug.....	White.....	3 ft.....	15c	1.50	
*Formosum.....		July-Sept.....	Deep Blue.....	4 ft.....	15c	1.50	
Coelestinum.....	Pillar of Beauty.....	July-Sept.....	White Eye.....	3-4 ft.....	15c	1.50	
J. S. Brunton.....		June-Aug.....	Sky Blue.....	3-4 ft.....	35c	3.50	
Kelway's Hybrids.....		July-Aug.....	Mixed.....	3 ft.....	15c	1.50	
King of Delphiniums.....	New.....	July-Aug.....	Indigo Blue.....	4 ft.....	35c	3.50	
Moerheimi.....	New.....	June-Oct.....	White.....	4-5 ft.....	50c	5.00	
Mrs. Thompson.....	New.....	July-Aug.....	Clear Blue.....	3 ft.....	25c	2.50	Every three or four years they should be lifted and divided; this is best done in Spring. Delphiniums can be made to bloom for several months by continually cutting off the spikes immediately after they have done flowering.
Perseimmon.....	New.....	July-Aug.....	White Eye.....	4 ft.....	50c	5.00	
Sinense Cineraria.....	Spurless.....	June-Aug.....	Double Blue.....	2-3 ft.....	20c	2.00	
Coeruleum.....	Larkspur.....	June-Aug.....	Dark Azure Blue.....	2-3 ft.....	20c	2.00	
Tom Thumb.....		June-Aug.....	Deep blue.....	8 in.....	15c	1.50	
DIANTHUS	Hardy Garden Pink						
Abbotsford.....		May-June.....	Double Pink.....	12 in.....	20c	2.00	These very desirable sweet-scented, low growing, early blooming and free flowering Hardy Garden Pinks are unequalled for the borders of beds, carriage drives, and the old-fashioned garden, and should be planted in quantity in any good garden soil with full sun and an open situation.
Barbatus.....	Sweet William.....	June-July.....	Various.....	18 in.....	15c	1.50	
Johnson Giant.....		June-July.....	Various.....	18 in.....	15c	1.50	
Newport Pink.....		June-July.....	Salmon rose.....	18 in.....	20c	2.00	
Latifolius Atro-Coccineus plenus.....		May-June.....	Fiery Crimson.....	15 in.....	15c	1.50	
Napoleon III Improved.....		May-Oct.....	Dark Red.....	2 ft.....	25c	2.50	
Plumarius Cyclops.....		May-June.....	Mixed.....	15 in.....	15c	1.50	
Delicata.....		May-June.....	Large soft pink.....	12-18 in.....	30c	3.00	
Double.....		May-June.....	Mixed.....	12 in.....	15c	1.50	
Diamond.....		May-June.....	Pure White.....	12 in.....	15c	1.50	
Gloriosa (New).....		May-June.....	Bright Lilac Rose.....	12 in.....	25c	2.50	We would especially call attention to our improved Napoleon III which although a mule pink produces large flowers on good long stiff stems and resembles a good dark red carnation. It is perfectly hardy and is better than any hardy carnation known.
Her Majesty.....		May-June.....	Pure White.....	12 in.....	15c	1.50	
Perfection.....		May-June.....	White, Crimson.....	12 in.....	20c	2.00	
Semperflorens.....		May-June.....	Mixed, Double and Semi-Double.....	12 in.....	15c	1.50	

GARDENERS' SITUATIONS. Register of applications of gardeners open for engagement, and employers seeking men is kept at both New York and Chicago offices. Write us if interested. There is no fee.



BLEEDING HEART (Dielytra)

DIGITALIS (Foxglove)

GAILLARDIA

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.
DICTAMNUS						
Fraxinella.....		June-July.....	Pink.....	3 ft.....	15c	\$1.50
Alba.....		June-July.....	Pure White.....	2½ ft.....	15c	1.50
DIELYTRA						
Spectabilis.....	Bleeding Heart.....	May-June.....	Pink and White Heart Shaped.....	2 ft.....	20c	2.00
DIGITALIS						
Ambigua.....	Foxglove.....	July-Aug.....	Yellow.....	3 ft.....	15c	1.50
Gloxiniaeflora.....		July-Aug.....	Pink, Purple or White.....	4 to 5 ft.....	15c	1.50
Lanata.....		June-Aug.....	Creamy White.....	2-3 ft.....	15c	1.50
Maculata Iveryana.....		July-Aug.....	White, spotted.....		15c	1.50
Monstrosa.....		July-Aug.....	Mixed.....		15c	1.50
DORONICUM						
Caucasicum.....	Leopard's Bane.....	April-May.....	Bright Yellow.....	15 in.....	20c	2.00
Excelsum.....		April-May.....	Yellow.....	18 in.....	20c	2.00
ECHINACEA						
Purpurea.....	Giant Purple Cone Flower.....	June-July.....	Reddish Purple.....	3 ft.....	15c	1.50
ECHINOPS						
Ritro.....	Globe Thistle.....	July-Aug.....	Blue.....	3 to 4 ft.....	20c	2.00
Sphaerocephalus.....		July-Aug.....	Pale Blue.....	5 ft.....	20c	2.00
EREMURUS						
Himalaicus.....		May-June.....	White.....	8 ft.....	75c	7.50
Robustus.....		May-June.....	Soft Rose.....	8-10 ft.....	75c	7.50
ERIANTHUS						
	See Grasses					
ERYNGIUM						
Amethystinum.....		July-Sept.....	Amethyst Blue.....	2-3 ft.....	15c	1.50
Planum.....		July-Sept.....	Pale Blue.....	3 ft.....	15c	1.50
EULALIA						
	See Grasses					
EUPATORIUM						
	Thorough Wort					
Ageratoides.....		Sept.-Oct.....	White.....	3 ft.....	15c	1.50
Coelestinum.....		Sept.-Oct.....	Light Blue.....	2 ft.....	15c	1.50
Frazeri.....		Sept.-Oct.....	White.....	1½ ft.....	15c	1.50
Purpureum.....	Joe Pye Weed.....	Aug.-Oct.....	Purple.....	3-4 ft.....	15c	1.50
EUPHORBIA						
*Corollata.....	Flowering Spurge.....	June-Aug.....	White.....	1½ ft.....	15c	1.50
FUNKIA						
	Day Lily					
Cucullata Medio Picta.....		August.....	Purple.....	1 ft.....	25c	2.50
Fortunei.....		August.....	White and Lilac.....		25c	2.50
*Lancifolia.....		August.....	Dark Blue.....	1 ft.....	15c	1.50
Subcordata Grandiflora Alba.....		Aug.-Sept.....	Pure White.....	1½ ft.....	25c	2.50
Thomas Hogg.....		Aug.-Sept.....	Rosy Purple.....		35c	3.50
Undulata Medio Variegata.....		May-June.....	Purple, Var. Foliage.....	1 ft.....	20c	2.00
GAILLARDIA						
	Blanket Flower		Orange Red, Brown and Crimson.....	1½ ft.....	15c	1.50
Grandiflora.....		June-Oct.....	Crimson.....		15c	1.50
Crimson.....		June-Oct.....	Coppery Red.....		15c	1.50
Maxima.....		June-Oct.....	Extra Large.....		15c	1.50

Use, Soil, Position, Etc.

An odd plant of vigorous growth, emitting a strong lemon odor. The flowers will give a flash of light on a sultry summer evening if a lighted match is held near them.

So-called from its drooping heart-shaped flowers; will thrive in any part of the hardy border; good for forcing in pots and planting in shady places; likes rich, sandy loam.

This old-fashioned summer flowering plant, commonly known as Foxglove, thrives in almost any soil under all conditions; makes a fine plant for the back of borders or grouping in beds; prefers a light, sandy loam. The Monstrosa variety is peculiar in that its spikes bear but a single terminal flower.

Blossoming very early in the season with stiff stems that render them suitable for cutting. Useful for naturalizing in woodlands. Damp, strong soil suits them best.

A fine, strong-growing perennial with a distinct color, suitable for shrubbery and back of border. Requires deep, rich soil to obtain large flowers.

A stately plant for border or shrubbery with globular heads, which can be dried and put amongst grasses for a long time. Sandy loam or any good garden soil.

Eremurus are majestic tuberous rooted plants and when in flower are ornaments in the garden. The flowers which are borne on tall spikes 8 to 10 ft. in height are closely arranged and form a perfect column of flowers.

These are exceedingly pretty both in flower and foliage, and deserve to be better known. The flower heads are invaluable for cutting from June to September, and much used for winter decoration.

Strong growing border plants suitable for cutting; they bear minute white flowers in dense heads; ordinary garden soil suits them.

A native plant grown for its minute white flowers, which have a distinct green eye. Good for cutting; grows in any soil with open position.

Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty lily-like flowers in terminal racemes. Effective in front of shrubbery, under trees, or any shady position where they thrive best. They will grow in any good, rich soil.

Gaillardias are fine for bedding and borders, invaluable as a cut-flower, remaining in bloom the entire summer. One of the most satisfactory plants for any soil and position, and we recommend extensive cultivation, as they are grown with little trouble.



Asplenium Felix-Foemina

Asplenium Angustifolium

Adiantum Pedatum

Aspidium Acrostichoides

Aspidium Cristatum

HARDY FERNS

A place for Hardy Ferns can be found in nearly every garden. They are especially suited to partial and dense shade and will flourish where grass will not grow. For naturalizing a woodland they are fine subjects associated with Foxgloves, Funkias and Aquilegias. They make a grand effect for shady spots in any garden. Their culture is easy. If possible, add leaf mold or well decayed peat, loam and a fair proportion of sand and drainage, and plenty of water during dry periods.

Adiantum Pedatum (Maidenhair Fern) One of the daintiest and prettiest, grows about 1 foot high.

Asplenium Angustifolium (Spleenwort) A fine tall fern reaching 3 feet in good moist rich soil.

Asplenium Felix-Foemina (Lady Fern) Fine delicate fronds 1 to 3 feet in height, very hardy, will grow in the sun if soil is kept moist.

Aspidium Acrostichoides (Christmas Fern) An evergreen species, about 1 foot high, with deep green fronds.

Aspidium Cristatum This species grows from 1 to 2 feet, in wet, swampy places, with fronds about 3 inches wide.

Aspidium Goldieanum One of the finest Aspidiums, frequently growing 4 feet high.

Aspidium Marginale Fronds 1 to 2 feet in length, 3 to 5 inches wide.

Aspidium Spinulosum (Wood Fern) A very pretty evergreen species about 15 inches high, with finely bisected fronds.

Aspidium Thelypteris Very variable, fronds are about 2 feet high and the pinnae long and narrow.

Onoclea Sensibilis (Sensitive Fern) 1 to 2 feet. Wet places, open or shade.

Onoclea Struthiopteris (Ostrich Fern) One of the most stately and best for cultivation; sometimes 4 feet high with handsome dark green fronds forming the outline of a vase.

Osmunda Claytoniana A good fern for the shady corner, 7 to 12 inches wide, broader than long.

Any of the Above Hardy Ferns Each 15c; Doz. \$1.50.

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
GENTIANA	Gentian						Plant in a permanent position where plants will not be disturbed; moist soil and good drainage; fine for rockwork or borders.
Clusii.....	Closed Gentian.....	Aug.-Oct.....	Deep Blue.....	12 in.....	15c	\$1.50	
GERANIUM	Crane's Bill						Good early Summer flowering plants for front of borders, or the rock garden; will thrive in any ordinary garden soil.
Sanguineum.....		May-July.....	Crimson.....	12 in.....	20c	2.00	
Album.....		May-July.....	White.....	1 ft.....	20c	2.00	Useful plants for well-drained ground and rock gardens; good border plants, showy on account of their bright colors.
GEUM	Avens						
Splendens.....		May-Sept.....	Orange Yellow.....	18 in.....	20c	2.00	A useful plant for hanging baskets, growing over rocks and window boxes; foliage white and green; grows in any good soil.
GLECHOMA or Nepeta	Variegated Ground Ivy.....		Variegated Foliage.....	3 in.....	15c	1.50	
GRASSES	For Foliage only						Ornamental Grasses can be used with telling effect in borders, shrubberies, by the margins of lakes and streams, or as single specimens on the lawn. The Erianthus or hardy pampas grass is the tallest grower, frequently reaching 10 feet high. The Eulalias are very pretty and graceful; Univittata being green with a white midrib; the Japonica Variegata is a beautiful variegated form and is the best of the variegated kinds. Japonica Zebrina, the Zebra grass, has broad yellow horizontal bands. The Variegated ribbon grass is an old favorite and is often used for border work or naturalizing in the wild garden.
*Erianthus Ravennae.....	Hardy Pampas.....		Narrow Green.....	10 ft.....	25c	2.50	
*Eulalia Gracillima Univittata.....			Silver White.....	3-4 ft.....	15c	1.50	
			Midrib.....				
Japonica Variegata.....	Japan Rush.....		Green and White.....	4 ft.....	20c	2.00	
*Eulalia Japonica.....			Pink and Yellow.....				
Zebrina.....	Zebra Grass.....		Broad Yellow.....	5 ft.....	25c	2.50	The double form is especially desirable and as a cut flower is becoming very popular.
Festuca Glaucia.....	Blue Fescue Grass.....		Bands.....	1 ft.....	15c	1.50	
*Phalaris Arundinacea.....	Gardener's Garters or Variegata.....		Blue Foliage.....	18 in.....	15c	1.00	Repens monstrosa is a dwarf variety and is suitable for rock-work or the front of the hardy border.
GYPHOPHILA	Ribbon Grass.....		Variegated.....				
Paniculata.....	Baby's Breath.....	July-Aug.....	White.....	1 1/2 ft.....	15c	1.50	Blooming for a long period, are amongst the best of hardy flowers, affording a good quantity of cut-flowers which last a long while, they are worthy of extensive planting; and thrive in any soil and are good for specimens in border and covering back fences, also amongst shrubbery and the wild garden.
Flore Pleno.....		July-Aug.....	Double White.....	3 ft.....	25c	2.50	
Repens Monstrosa.....		July.....	White.....	1 1/2 ft.....	20c	2.00	Hardy Perennial Sunflowers flourish splendidly in any garden, city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting, as they last so long in water. Being heavy feeders they require a good, deep soil. Fine for back borders, shrubbery and woodlands. All varieties are single flowering, except Multiflorus Plenus and Rigidus Semi-pl.
HELENIUM	Sneezewort.....						
*Autumnale Superbum.....		Sept.-Oct.....	Deep Yellow.....	6 ft.....	15c	1.50	Similar to Helianthus in habit, but more dwarf and sturdy; a fine cut-flower; requires good, deep soil.
*Rubrum.....		Sept.-Oct.....	Red.....	6 ft.....	15c	1.50	
Riverton Gem.....		Aug.-Oct.....	Old Gold and Terra Cotta.....	3 ft.....	20c	2.00	
HELIANTHUS	Hardy Sunflower						
*Divaricatus.....		Aug.-Oct.....	Yellow.....	2-3 ft.....	15c	1.50	
*Miss Mellish.....		Sept.-Oct.....	Golden Yellow.....	6 ft.....	15c	1.50	
*Multiflorus Plenus.....	Dahlia Sunflower.....	Aug.-Sept.....	Double Yellow.....	5 ft.....	15c	1.50	
*Rigidus Semi-pl.....		Aug.-Sept.....	Orange Yellow.....	5 ft.....	15c	1.50	
*Ligeri.....		July-Sept.....	Golden Yellow.....	5-7 ft.....	15c	1.50	
*Sparsifolius.....		Aug.-Oct.....	Deep Yellow.....	6-8 ft.....	15c	1.50	
HELIOPSIS	Orange Sunflower						
Pitcherianus.....		June-Aug.....	Orange Yellow.....	5 ft.....	15c	1.00	



HELIANTHUS



HOLLYHOCKS

These flowers should be in every garden.



HEMEROCALLIS

HOLLYHOCKS

Hollyhocks are undoubtedly among the most ornamental and handsome garden flowers, with their tall spikes, dotted all the way up with large flowers of the most lovely shades of colors. They fit in the smallest garden, and can be used with great effect in all kinds of borders, shrubbery, against the house or along the fence. No matter where they are planted they are always handsome, pleasing and ornamental. The Hollyhock requires a rich, deep soil, well drained and will repay in quantity and elegance of bloom any extra care. A slight protection during the winter will be beneficial.

Double White, Pink, Red or Yellow	Each	Doz.	100	Allegheny Mixed, semi-double and single	Each	Doz.	100	Old-Fashioned Single, mixed	Each	Doz.
Double Mixed	20c	\$2.00	\$12.00		20c	\$2.00	\$12.00		15c	\$1.50

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.
HEMEROCALLIS	Yellow Day Lily					
Citrina		June-July	Lemon Yellow	4 ft.	75c	\$5.00
Dr. Regel		June-July	Rich Apricot	2 1/2 ft.	50c	5.00
Dumortieri		June-July	Rich Yellow	2 ft.	15c	1.50
*Flava		July-Aug.	Yellow	3 ft.	15c	1.50
*Florham		July-Aug.	Rich Yellow	3 ft.	25c	2.50
*Fulva		June-July	Coppery Orange	3 1/2 ft.	15c	1.50
*Kwanso Fl. Pl.		June-July	Double Orange	3 1/2 ft.	15c	1.50
Sovereign		July	Soft Chrome Yellow	2 1/2 ft.	35c	3.50

HEUCHERA	Alum Root					
Brizoides Gracillima		May-June	Rosy Carmine	2 ft.	20c	2.00
Flambeau (New)		June	Brilliant Rose	2 ft.	35c	3.50
Pluie de Feu (New)		June	Scarlet	2 ft.	35c	3.50
Sanguinea		June	Scarlet	1 1/2 ft.	20c	2.00

IBERIS	Hardy Candytuft					
Gibraltarica		April-May	Lilac Mauve	12 in.	15c	1.50
Little Gem		April-May	Small White	6 in.	20c	2.00
Sempervirens		April-May	White	10 in.	15c	1.50

INCARVILLEA	Hardy Gloxinia					
Delavayi		May-July	Rose Colored	2 ft.	20c	2.00
Grandiflora		May-July	Crimson	1 ft.	20c	2.00

INULA	Flea Bane					
Ensifolia		May-Aug.	Bright Yellow	12 in.	15c	1.50
Glandulosa Grandiflora		June-Aug.	Yellow	2 1/2 ft.	20c	2.00

LATHYRUS	Hardy Flowering Pea					
Latifolius Albus		June-Aug.	White	4-5 ft.	15c	1.50
Pink Beauty		June-Aug.	Pink	4-5 ft.	15c	1.50
Rubra		June-Aug.	Red	5-6 ft.	15c	1.50
White Pearl (New)		June-Aug.	Pure White	4-5 ft.	25c	2.50

LAVENDULA Vera	Lavender	June-Aug.	Blue		15c	1.50
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LEUCANTHEMUM						
Praecox Perfection	Giant Daisy	June-July	Large White	2 ft.	15c	1.50

LIATRIS	Blazing Star or Gay Feather					
Pycnostachya		July-Sept.	Rosy Purple	3 ft.	15c	1.50
Spicata		July-Sept.	Deep Purple	5 ft.	15c	1.50

LILY OF THE VALLEY Clumps		May-June	White	8 in.	30c	3.00
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LINARIA	Toad Flax					
Dalmatica		May-Aug.	Sulphur Yellow	3-4 ft.	15c	1.50

LINUM	Flax					
Flavum		June-Sept.	Yellow	1 ft.	15c	1.50
Perenne		June-Sept.	Sky-Blue	1 1/2 ft.	15c	1.50
Album		June-Sept.	Pure White	1 1/2 ft.	15c	1.50

LOBELIA	Cardinal Flower					
Cardinalis		July-Sept.	Fiery Scarlet	2 ft.	15c	1.50

Use, Soil, Position, Etc.

The Day Lillies grow anywhere in either partial shade or full sun. Good for borders, shrubberies, wild garden or naturalizing in grass. They are decorative when freely planted along the waterside and like lots of moisture. Mixed with German Iris they are very effective. Require good soil to get the best results.

Hardy Perennials are the most satisfactory of all flowers because of their permanent character and the naturalness of their beauty.

They are of the simplest cultivation, and thrive well in ordinary garden soil. Their dainty sprays of rose carmine and scarlet flowers make them invaluable for cutting.

Flambeau and Pluie de Feu are new European varieties, which we can with confidence recommend.

Dwarf evergreen plants covered with blooms in Spring and during early Summer. Little Gem is especially suited to border and rockwork. Gibraltarica is fine for edging shrubbery or borders and will thrive in any good soil.

One of the greatest novelties of the century. A lovely new Chinese plant for sunny situations, producing spikes of elegant, Gloxinia-like flowers, arranged in clusters with foliage gracefully cut. Plant in deep, rich soil.

Showy and highly decorative plants. Glandulosa is much prized for cutting, producing flowers two inches across of a peculiar formation. They will thrive in any ordinary garden soil.

The everlasting Pea, effective and easily grown, forms a very decorative object when trained over old tree stumps, banks, pyramids, or forming floral screens. They are good cut-flowers with strong, wiry stems, requiring deep, rich soil, their roots extending to a great depth.

Delightfully fragrant flower, much used when dry on account of its sweet odor. We offer the true variety.

Very similar to the Shasta Daisy and requiring the same soil and treatment.

Carrying feathery flower spikes; are effective border plants thriving at the margin of streams or in the open border. They commence to flower at the top of spike and so on downward; very effective.

Good for shade and under trees.

Of easy culture in moderately good, well-drained soil. Suitable for rockeries.

A desirable plant for the border, with light, graceful foliage and blue flowers produced through the entire Summer if cut down after the first blooming.

Deep, rich, moist soil is best. For the margins of ponds or damp border.

IRIS

The beauty of the Iris is proverbial and wonderful landscape effects may be obtained by planting them either on the edges of streams, along walks and drives and at the borders of shrubbery, or in a rockery. Although naturally a water plant, the Iris grows well in any soil and by planting the proper variety with judgment a succession of blooms may be had extending over a period of nearly three months, commencing with the Pumilas the latter part of April and extending through July with the Interregna, German, Japanese and Siberian varieties in succession. While usually considered entirely as an outdoor flower, the Iris is very satisfactory as a cut flower. The blooms can be cut just before opening and placed in water and they then acquire a delicacy which they do not have when in the open. One bloom will remain open for days, then it wanes and another takes its place. If, however, you are to ship them, don't wait for the full bloom for they are fragile and mar easily; the most forward buds should be wound lightly with raffia which can be removed without injury on arrival at destination.

The most favorable time for transplanting is the last of August to the middle of September, as they are then dormant. Barely cover the rhizomes and avoid fresh manure when planting. Mulch in the fall with good rotted manure which may be spaded in in the spring. Leave them undisturbed for four years when they may be divided and transplanted.

No home in the city or country should be without some of these plants for nearly all of the varieties are perfectly hardy and easy of cultivation.

GERMAN IRIS

German Iris are all sun-lovers and delight in a (Fleur-de-Lis or Flag Iris) well drained situation. They almost outrival the Orchid in delicacy and richness of coloring. They are splendid for beds, border or front of shrubbery. Plant in bold groups for best effect. Avoid planting too deep, barely covering the rhizomes (creeping root stems) being quite sufficient.



JAPANESE IRIS



GERMAN IRIS

☞ "S" refers to the three standard, or upright curling petals; "F" to three falls or drooping petals.

Bridesmaid "S" White, shaded silvery lilac. "F" Reticulated at the base and slightly frilled soft lilac.

Canary Bird "S" Soft creamy yellow. "F" Pale cream with striped base.

Celeste Fine satiny blue. This is one of the most beautiful Iris.

Charles Dickens "S" Blue. "F" Dark blue, suffused dark purple.

Clio "S" Lavender, shaded white. "F" Rich purple, edged white, a striking contrast. Each 25c; doz. \$2.50.

Darius "S" Lemon yellow. "F" Purple, bleaching on edge and top to pale yellow, large; 30 inches.

Edith Cook "S" Azure blue. "F" Indigo blue with white at base veined with indigo blue.

Gajus "S" Light clear yellow. "F" Crimson, reticulated white and yellow, clear yellow picotee edge. Each 30c; doz. \$3.00.

Gracchus "S" Yellow. "F" Crimson reticulated white; 18 inches.

Hector "S" Soft clouded yellow. "F" Velvety crimson; showy; 30 inches.

Heteranth "S" Bright blue. "F" Deeper blue. Early.

Jenny Lind Beautiful velvety purple brown. Each 30c; doz. \$3.00.

John De Witt "S" Light lilac blue. "F" Purple.

King of Iris "S" Lemon yellow. "F" Deep brown and yellow. Each 50c; doz. \$5.00.

L'Avenir A beautiful shade of satin blue.

Lord Salisbury "S" Amber white. "F" Dark violet purple.

Loreley Very fine. "S" Light yellow. "F" Ultramarine blue, bordered cream. Each 30c; doz. \$3.00.

Mme. Chereau The prettiest and tallest of all. "S" and "F" White, daintily edged with porcelain blue, 30 inches.

Maori King "S" Golden yellow. "F" Velvet crimson-edged yellow; 14 inches. Each 25c; doz. \$2.50.

Mars "S" Light yellow. "F" Pale yellow with violet blotches and veins.

Mrs. H. Darwin "S" Clear waxy white. "F" White with violet veins.

Mrs. Neubronner The best deep golden yellow. Each 30c; doz. \$3.00.

Pallida Dalmatica The largest and most beautiful of all the German Iris. Perfectly hardy, strong grower and very free flowering. Exquisite shade of lavender. Valuable as a cut-flower. Each 25c; doz. \$2.50.

Parisiensis Large deep blue striped and mottled bright lilac on edges of petals.

Peacock's Eye "S" Clear olive yellow. "F" Brownish, shading to a clear yellow border on edges. Each 30c; doz. \$3.00.

Penelope "S" Pure white. "F" White, veined purple, crested yellow.

Pharaon Lilac; very fine.

Plicata "S" and "F" Bright violet purple.

Prosper Langier "S" Clouded rose. "F" Velvety purple. Very large. Each 50c; doz. \$5.00.

Queen Emma A very beautiful pure white. Very early.

Queen of May "S" Lilac pink. "F" Lilac, blended with white; distinct.

Sambucina "S" Coppery rose. "F" Rosy purple with orange crest; 30 inches.

Sans Souci "S" Golden yellow. "F" Yellow veined with crimson brown.

Silver King Very large white flowers, with a silvery sheen.

Sir Walter Scott "S" Bronzy yellow. "F" Rich crimson brown; 30 inches.

Stenophylla "S" Pale blue, indistinct stripes. "F" Darker. Tall.

Trautlieb Of purest clear rose, shading to white towards the center.

Venus "S" Lemon yellow, shading to golden yellow towards the base. "F" Deeply veined with purple on a white ground.

Walneri "S" Lavender. "F" Purple lilac, 30 inches.

William III Large dark violet. Fragrant.

German Iris Mixed. Each 10c; doz. \$1.00; per 100 \$5.00; 1000 \$45.00.

PRICE: (Except where noted) Each 15c; doz \$1.50; per 100 \$8.00; 1000 \$75.00

JAPAN IRIS

Iris Kaempferi A splendid hardy plant of easy growth; delights in constant cool, moist soil. In its native home it flourishes in swamps, succeeding admirably by the side of streams, lakes and ponds. Few people are aware of the beauty of this class of Iris, which commences blooming about the middle of June and continues for five or six weeks. Many of the flowers measure 8 to 10 inches in diameter. Our collection consists of the very choicest

Blue Jay Fine azure blue, freely mottled.

Crystal Double pale violet.

Dinah Double reddish pink, flaked white.

Eclair Largest white

Mt. Hood Light blue, shaded dark.

Norane Single blue, with lighter stripes.

Norma Very deep lavender, double.

Oriole Deep amaranth, yellow center.

Paragon Rich velvety purple; center marked with orange; very distinct.

Princess Clothilde Double, light blue.

The set of 15 varieties \$3.00. Mixed Varieties. Each 15c; dozen \$1.50; per 100 \$12.00.

Pyramid Violet-blue, veined white.

Spotted Beauty Large size, double, silky white, freely and finely spotted with violet crimson.

Topaz Light rose, single.

Tortoise Magenta, dotted and flaked with white.

Victor Violet purple with white veins.

IRIS INTERREGNA

—New. Resulting from a cross between the Pumila and German Iris, this type has retained the good qualities of both and yet is entirely distinct. It has the strength and vitality of the Pumila as well as the large flower and beautiful colors of the German type. Blooming profusely after the former has faded but earlier than the latter, the Interregna type fills the gap and supplies a perfection of bloom throughout a considerable period, when flowers are greatly prized. The height is intermediate and its freshness of foliage is kept until autumn.

Helge Light lemon petals above and a beautiful mother of pearl shade below. Very large, flower often measuring 4 inches across.

Ingeborg Pure ivory white with sufficient pale orange stripes to relieve the monotony of a single shade.

Walhalla Rosy lavender petals above with a delicate claret red below. A very distinct sort.

Any of these each 50c; doz. \$5.00.



SIBERIAN IRIS (Yale Blue)

SIBERICA ORIENTALIS ("Yale Blue")

Strong, free-growing Iris, adapting itself to almost any position, and producing a mass of deep blue flowers under the most adverse conditions from June to August.

Each 15c; doz. \$1.50.

**MYOSOTIS or FORGET-ME-NOT**

To obtain best results these hardy perennials, or "Old Fashioned" flowers as they are generally known, should be planted in masses or large clumps. This is particularly true of Gaillardia, Iris, Helenium, Aster, Boltonias, Monarda, Larkspur, etc.

SIBERICA SNOW QUEEN

Beautiful New Variety

Snow-white flowers borne on strong, erect stems

Each 25c; doz. \$2.50.

**PAPAVER NUDICAULE or ICELAND POPPY****PUMILA HYBRIDA**

Dwarf variety of German Iris, growing about 8 inches high, very free blooming, sweet scented. These bloom about two weeks before the German Iris. **Cyanea** Rich royal purple with black shading. **Florida** Beautiful lemon yellow shaded darker.

Each 15c; doz. \$1.25; per 100 \$8.00.

COLLECTION GERMAN IRIS No. 912

One each of 12 distinct sorts, our selection, for \$1.00, not prepaid.

COLLECTION JAPAN IRIS No. 922

One each of 8 distinct sorts, our selection, for \$1.00, not prepaid.

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use Soil, Position, Etc.
LUPINUS	Lupine						
Polyphyllus		May-June	Blue	3 ft.	15c	\$1.50	Effective plants producing when established large spikes of flowers. They should be planted in well prepared garden soil and well watered during a period of dry weather.
Albus		May-June	White	3 ft.	15c	1.50	
Moerheimi (New)		May-June	Pink and White	3 ft.	25c	2.50	
Roseus		May-June	Pink	3 ft.	25c	2.50	
LYCHNIS	Campion						
Chalcedonica		June-Sept.	Orange Scarlet	2-3 ft.	15c	1.50	Highly ornamental plants for summer, the taller kinds being valued for cut flowers and border plants; the dwarf varieties make pretty plants for front row of border or rockwork and thrive in any good garden soil in a sunny position.
Flore Pleno		July-Sept.	Double Scarlet	2 ft.	25c	2.50	
Alba		May-Aug.	White	1½-2½ ft.	15c	1.50	
Flore Pleno		May-Aug.	Double White	1½-2½ ft.	25c	2.50	
Haageana	Maltese Cross	May-June	Orange Scarlet	1 ft.	15c	1.50	
Sieboldi	Catch Fly	June-July	White	1 ft.	15c	1.50	
Viccaria	June-July	Crimson	1 ft.	15c	1.50	1.50	
Flore Pleno	Double Catch Fly	June-July	Crimson	1 ft.	15c	1.50	
Splendens		May-Aug.	Red	1½ ft.	20c	2.00	
LYSIMACHIA							
Clethroides	Loose Strife	July-Sept.	White	2 ft.	15c	1.50	Effective in clumps or wild garden. Requires a moist situation. Nymularia is fine for banks, vases, beds, stumps or rockeries and can be used in hanging baskets.
Nymularia	Creeping Jenny	June-Aug.	Yellow	4 in.	15c	1.50	
LYTHRUM	Black Blood						
Roseum Superbum		May-Sept.	Reddish Purple	3 ft.	15c	1.50	Produces large spikes of rose-colored flowers, and can be used for margins of lakes and ponds, also borders and shrubbery. Any good soil suits them.
MERTENSIA	Blue Bells or Virginian						
Virginica	Cowslip	May-June	Light Blue	18 in.	15c	1.50	A lovely plant for choice spots in borders, or rock gardens, preferring a southwest aspect; will thrive in any good soil and in the shade.
MINT	Old Fashioned				15c	1.50	An old favorite, will grow anywhere.
MONARDA	Oswego Tea or						
*Didyma	Bee Balm	June-Sept.	Brilliant Scarlet	2 ft.	15c	1.50	Fine for naturalizing in woods and shrubbery, bearing large whorls of flowers and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.
Cambridge Scarlet		June-Sept.	Brilliant Scarlet	2 ft.	20c	2.00	
Hybrida		June-Sept.	Mixed	2 ft.	15c	1.50	
MYOSOTIS Palustris							
Semperflorens	Forget-me-not	May-Aug.	Blue	6 in.	15c	1.00	The true Forget-me-nots—a lovely dwarf plant for damp places, spreading rapidly and carpeting the ground.
OENOTHERA	Evening Primrose						
Macrocarpa		July-Aug.	Bright Yellow	6 in.	15c	1.50	Showy and easily grown in all soils; useful in wild garden and border; makes good plants for front of border. Macrocarpa is a beautiful variety with prostrate stems bearing immense yellow flowers during July and August.
Speciosa Alba		June-July	Large White	2-3 ft.	15c	1.50	
Youngii		May-Aug.	Golden Yellow	2 ft.	15c	1.50	
OLD MAN	See Artemisia				15c	1.50	
OLD WOMAN	See Artemisia				15c	1.50	
PAPAVER	Oriental Poppy						
Goliath		June-July	Scarlet	3½ ft.	25c	2.50	For gorgeous coloring the Oriental Poppies have few rivals amongst hardy plants, making a magnificent effect in the border, shrubbery or wherever large breaks of distinct and glowing colors are required. Their freedom of bloom renders them conspicuous in any position. Good, deep, rich soil and open situation suit them best. We offer only the finest varieties of tried merit. Iceland Poppies are very free and delicate and much admired for the front row of border.
Mahoney		June-July	Deep Maroon	3 ft.	25c	2.50	
Masterpiece		June-July	Salmon pink	3 ft.	25c	2.50	
Mary Studholme		June-July	Salmon	3 ft.	25c	2.50	
Royal Scarlet		June-July	Scarlet Black Cen	3 ft.	20c	1.50	
Oriental King		June-July	Scarlet	3 ft.	25c	2.50	
Princess Victoria Louise		June-July	Soft Lilac Rose	3 ft.	25c	2.50	
Rembrandt		June-July	Orange Salmon	3 ft.	25c	2.50	
Silver Queen		June-July	Silvery White	3 ft.	25c	2.50	
Nudicaule	Iceland Poppy	June-Oct.	Orange	1 ft.	15c	1.50	

HARDY PHLOX

The beauty and usefulness of these grand border plants give them a deserved first place among the hardy plants. The best effects to be had with Phlox are produced by planting masses of each color. A very wide range of color is now to be had and planting them in this manner, the Phlox will be the pride of the garden.

They succeed in almost any soil enriched with manure, but are much benefited by a mulching of well rotted manure in spring, and in hot weather an occasional soaking of water.

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom extending until late in the fall may be expected.

Letters and numbers immediately following the varieties indicate time of flowering and approximate height as follows:

- | | |
|---------------|------------|
| (1) Early | (D) Dwarf |
| (2) Midseason | (M) Medium |
| (3) Late | (T) Tall |

The following prices are for one year field grown plants:

	Each	Doz.
Antonin Mercie (M 2) A beautiful grayish lilac with white center.	\$0.20	\$2.00
Baron Von Dedem (T 2) Blood-red scarlet with immense trusses and individual flowers.	.20	2.00
Beranger (D1) Ground color white, delicately suffused with rosy pink and a distinct amaranth red eye.	.15	1.50
Bridesmaid (D 2) Pure white, large crimson-carmine eye.	.15	1.50
Clara Benz (D 2) Brilliant carmine-rose.	.15	1.50
Coquelicot (T 2) A fine orange scarlet with crimson eye.	.15	1.50
Eclairer (T 3) Brilliant rosy magenta with lighter halo.	.15	1.50
Elizabeth Campbell (D 2) New. Bright salmon pink with lighter shadings and dark crimson eye.	.25	2.50
Eugene Danzanvilliers (D 1) Soft lilac blue with large white center, free and continuous bloomer.	.20	2.00
Flora Hornung (D 2) Milk-white with carmine eye.	.20	2.00
Frau Ant. Buchner (M 2) Pure white. Undoubtedly the finest white yet raised. Strong habit.	.25	2.50
Fraulein Von Lassburg (T 2) The purest snow-white in cultivation. Extra fine.	.25	2.50
G. A. Strohleim (M 2) Glowing orange scarlet with blood-red eye. Immense heads.	.20	2.00
General Von Heutz (T 2) Brilliant salmon red with white center. Very large heads; free bloomer.	.20	2.00
Goliath (T 1) New. Bright carmine with dark red center.	.25	2.50
Gruppen Koenigin (M 2) Flesh with dark eye. Immense heads; very large individual flowers; very free and lasting.	.20	2.00
Iris (M 2) A purplish blue. The very best of its color.	.20	2.00
Jeanne d'Arc (T 3) Pure white.	.15	1.50
Jules Cambon (M 2) Brilliant reddish purple with very large pure white center.	.20	2.00
L'Aiglon (T 1) One of the best of the deep rose-colored varieties; bright carmine eye.	.20	2.00
Le Mahdi (M 2) Dark purplish lilac.	.20	2.00
Mme. Bezanson (T 2) Deep crimson.	.15	1.50
Mme. Paul Dutrie (M 1) Soft pink, suffused white.	.20	2.00
Miss Lingard (T 1) (Suffruticosa) Pure white; the earliest of all. Blooms all summer; good for cut flowers.	.15	1.50
Mrs. Arthur Baker (M 2) Fine salmon; very distinct.	.20	2.00
Pantheon (T 2) Deep salmon rose, very fine.	.20	2.00
R. P. Struthers (T 2) Rosy carmine with claret eye.	.20	2.00
Rhynstrom (T 2) Salmon rose, similar to Pantheon, smaller flower.	.15	1.50
Rosenberg (M 2) New. Bright reddish violet with blood-red eye; individual flowers large.	.25	2.50
Selma (T 2) Large trusses of very large pink flowers with cherry-red eye; choice.	.20	2.00
Snowbird (M 2) New. Pure white with a faint pink eye, violet markings on the reverse side of the flower; large individual flowers and a strong grower.	.25	2.50
Sigrid Arnoldson (T 2) Fiery carmine red with dark center; extra fine.	.20	2.00
Tain Blanc (D 1) Pure white; immense heads. The best dwarf Phlox in cultivation.	.25	2.50
Von Hochberg (M 3) The ideal crimson. The richest of its color.	.25	2.50
Von Goethe (M 2) Pure clear pink with white eye.	.20	2.00



PHLOX—ELIZABETH CAMPBELL

COLLECTIONS

No. 12.—One each of 20 varieties, our selection from above. All distinct; labelled for \$2.50 by express, not prepaid.

No. 22.—One each of 10 varieties, our selection from above. All distinct; labelled for \$1.50 by express, not prepaid.

Mixed Extra strong 2 year field clumps of a choice mixture of colors. Each 15c; doz. \$1.25.

DWARF AND ALPINE PHLOX

These are remarkable for their dense prostrate habit and mass of bloom in spring and early summer. They are splendid subjects for the fronts of borders and graves. They are quite distinct from the Phloxes offered above.

Amoena Bright pink; May to June; height 6 inches. Each 15c; doz. \$1.50.

Divaricata Laphami (New). A very beautiful variety with clear lavender blue flowers from April to July; height 1 foot. Each 20c; dozen \$2.00.

Subulata Alba A compact mass of elegant prostrate foliage, dainty white flowers in May and June; height 4 inches. Each 15c; doz. \$1.50.

Subulata Rosea Same as above but with dainty rose pink flowers. Each 10c; doz. \$1.00.

Botanical Name	Common Name	Flowering Period	Color	Height	Each	Doz.	Use, Soil, Position, Etc.
PELTARIA							} Evergreen foliage of small growth, fine for planting in borders and rockeries. A desirable cut flower.
*Alliacea		June	White	1 ft.	15c	\$1.50	
PENTSTEMON	Beard's Tongue						} These graceful plants bearing long spikes of flowers — are very free and will flourish in any ordinary well drained garden soil. The prolonged flowering season makes them valuable for the border.
Barbatus Torreyi		June-Aug.	Brilliant Scarlet	3 ft.	15c	1.50	
Digitalis		June-July	Purple White	2 ft.	15c	1.50	
PHALARIS	See Grasses						} Fine for a cool situation and rich, light soil, bearing erect spikes of pretty feather-like flowers. Useful for borders, wild gardens and for cutting.
PHYSOSTEGIA	False Dragon Head						
Virginica		June-Sept.	Soft Pink	3-4 ft.	15c	1.50	
Alba		June-Sept.	Pure White	3-4 ft.	15c	1.50	
Speciosa			Delicate Pink		15c	1.50	
PLATYCODON	Balloon Flower						} Very handsome plants of the Campanula family, having large open bell-shaped flowers, which in the bud resemble a balloon, hence the name. As border plants they are unique, and should be planted in quantity. Sandy loam is best.
Grandiflora		May-Sept.	Deep Blue	18 in.	15c	1.50	
Alba		May-Sept.	White	18 in.	15c	1.50	
Mariesi		May-Sept.	Violet Blue	12 in.	15c	1.50	
Alba		May-Sept.	White	12 in.	15c	1.50	
PLUMBAGO	Leadwort						} One of the best dwarf Perennials. The flowers of deep blue are borne in great profusion throughout the fall months.
Larpetae		Sept.	Deep Blue	1 ft.	15c	1.50	
POLEMONIUM	Jacob's Ladder						} Very useful border plants with deep green fine cut foliage and showy spikes of blue and white flowers.
Himalaicum		June	Blue	2 ft.	15c	1.50	
Album		June	White	2 ft.	15c	1.50	

PEONIES

Once planted they will last a lifetime.

Cultural Directions are sent with every order for Peonies

There is no hardy perennial which equals the Peony in beauty and usefulness. Once planted, the plants and flowers increase in size and beauty with age. They are as hardy as oaks and as handsome (many as fragrant) as roses. When the plants are through blooming they are as handsome and ornamental as most of the hardy shrubs. The plants are practically immune from insects. We would advise our customers to **beware of "cheap" Peonies.** An inferior variety will take as much care and space as a choice one, and the first cost of a Peony is nothing compared to the disappointment after years of waiting.

Planting. An important point to observe is not to plant too deeply. The roots should be placed so that the crowns (or eyes) are covered with two or three inches of soil. Planting too deep is often the cause of shy blooming.

Time of Planting The best time for planting the Peony is from the middle of August to the first of October.

Small—divided roots, 3-5 eyes.

Medium—1 and 2 years from division.

Large—4 and 5 year old clumps.

WHITE AND LIGHT SORTS

	Small Each	Doz.	Medium Each	Doz.	Large Each
Canari Guard petals flesh, yellow center. A very desirable and pleasing variety.....	\$0.40	\$4.00	\$0.60	\$6.00	\$1.00
Carnea Elegans Clear flesh color, broad petals, perfect shaped flower, with glossy reflex.....	.40	4.00	.60	6.00	.....
Charlemagne Lilac white with a slight bluish center, fragrant, medium height, free bloomer, late.....	.35	3.50	.50	5.00	.....
Couronne d'Or Snow-white, yellow reflex. Very large. Ball-shaped imbricated flower. Splendid cut flower sort. Late.....	.50	5.00	.75	7.50	2.00
Duchess de Nemours (Cesot) Sulphur white with greenish reflex. Flower large, cup-shaped. Splendid cut flower variety. Late.....	.35	3.50	.60	6.00	1.50
Festiva Maxima The best known Peony. Flower of immense size—7 to 8 in. in diameter—snow-white, with some red spots on the edges of the center petals. Very sweet. Early.....	.35	3.50	.60	6.00	1.25
Jeanne d'Arc Soft pink; center sulphur white. Very fragrant. This is one of the most desirable of the light colored Peonies, being very free and a vigorous grower. Similar but better than Golden Harvest.....	.40	4.00	.60	.....	.....
La Tulipe Very large shell-formed bloom; delicate rose, fading to creamy white; center petals tipped with carmine; outside of guard petals striped with carmine. Late.....	.40	4.00	.60	6.00	1.25
Madam Breon Guards brilliant rosy flesh, center creamy white to yellowish upon opening, fading to pure white; bloom very large, on long, strong stems; fragrant.....	.40	4.00	.60	6.00	1.25
Madame Crousse Very large, full well-made flower; color snow-white, center petals edged with bright carmine. Extra fine for all purposes. Taken all together, this is, in our estimation, the best of all the White Peonies.....	.85	8.50	1.25	12.00	.....
Madame de Verneville Guard petals sulphur white, center delicate flesh. Flowers very double and compact, imbricated; borne on long stems. This is one of the most desirable of the White Peonies for all purposes.....	.40	4.00	.65	6.50	.....
M. Dupont One of the best late white sorts. Flowers very large, cup-shaped, on stiff stems. Clear ivory white, with brilliant carmine border on center petals. A good grower and free bloomer.....	.75	7.50	1.25	12.00	.....
Nivea Plenissima White, slightly shaded yellow.....	.40	4.00	.....	.....	.....
Queen Victoria Guard petals milk white, tinted flesh, center creamy white with crimson spots, large globular flower, on stems of medium height, free bloomer, midseason.....	.30	3.00	.45	4.50	.....
Triumphans Gandavensis Pinkish white, tinted chamois; dwarf habit. Very pretty for bedding.....	.50	5.00	.75	7.50	.....

LIGHT AND DARK PINK AND ROSE

Dorchester (Richardson's) A most beautiful soft pink of fine form, dwarf grower.....	\$0.50	\$5.00	.....	.....	.....
Duchess de Nemours (Guerin) Fine brilliant pink shaded violet, intermixed with white. Very large bloom, and an excellent early cut flower variety.....	.40	4.00	.70	7.00	1.25
Edule Superba Bright mauve pink collar mixed with lilac, fragrant, strong upright stems, free bloomer, early, one of the best commercial pinks.....	.30	3.00	.....	.....	.....
Faust Guard petals and crown pink, fading to lilac white, collar of narrow sulphur-white petals, midseason.....	.35	3.50	.....	.....	.....
Floral Treasure Color pale lilac rose, large and showy midseason, extra good, one of the best commercial blooms.....	.35	3.50	.....	.....	.....
Kohinoor Shell pink, very free, splendid cut flower sort, midseason.....	.30	3.00	.50	5.00	.....
Lady Leonora Bramwell Beautiful large rose-colored Peony. Very free. Splendid cut-flower sort.....	.30	3.00	.60	6.00	.....
Madame Bollet Color rose, with silvery reflex. Very large and double. Late.....	.60	6.00	.....	.....	.....



FESTIVA MAXIMA (The best known white Peony)

LIGHT AND DARK PINK AND ROSE—Continued

	Small Each	Doz.	Medium Each	Doz.	Large Each
Madame de Galhau. Soft flesh pink, shaded salmon with silver reflex. Flowers very large, imbricated, borne on extra long stems	\$0.30	\$3.00	\$0.60	\$3.00	\$1.25
Madame de Vatry Guard petal flesh, center sulphur white, with carmine stripes. Very large flowers; of dwarf habit. An excellent cut-flower variety and fine for bedding. Late mid-season.....	.60	6.00	1.00	10.00	.....
Madame Duvel. A brilliant shade of pink, with silvery reflex; of enormous size; globular	.60	6.00	.....	.....	.....
Madame Geissler Silvery pink, shading to rose at base of petals. Immense flower; imbricated and borne on strong stems. Late	.50	5.00	.....	.....	.....
Mathilde Mechin. French pink, mixed with small salmon petals. Bright Anemone, ball-shaped flowers of perfect build. Extra fine.	.60	6.00	.80	8.00	1.50
M. Bouchalet Bright pink. Of medium size and excellent form. A good grower and of compact habit. Valuable lawn sort. Midseason.....	.45	4.50	.65	6.50	.....
Mons. Chas. Leveque Color delicate rose.....	.40	4.00	.....	.....	1.25
M. Jules Elie Immense light silvery pink, very large guard petals and high dome-like center, early.....	.85	8.50	.....	.....	.....
Octavie de May. Light shell pink, dwarf and early. The best pink.....	.85	8.50	1.50	.....	.....
Pulcherrima Outside petals flesh, center pink. Very large and borne on long, strong stems.....	.35	3.50	.60	6.00	1.50

RED AND CRIMSON SORTS

Adolphe Rousseau Dark amaranth with yellow stamens. Tall and fine, early.....	.30	3.00	.50	5.00	.....
Felix Crousse One of the best red sorts. Large double ball-shaped flower; a free bloomer. Very desirable. Late midseason.....	.60	6.00	1.00	10.00	.....
Lee's Grandiflora Rubra Rich red, resembling American Beauty Rose, of enormous size and long stem. One of the latest and best.....	.40	4.00	.65	6.50	.....
Meissonier Broad outer petals brilliant purple amaranth, inner petals crimson, free bloomer.....	.35	3.50	.....	.....	.....
Modeste Guerin Bright carmine rose, bomb shape, very full, fragrant, free bloomer. Mid-season.....	.40	4.00	.60	6.00	1.25
M. du Ribert Color rose magenta, loose bloom, sweetly scented. Late. Height, medium.....	.....	.....	.40	4.00	.....
Officialis Rubra Plena This is the old-fashioned red, the most brilliant of all red Peonies. Early and splendid cut flower.....	.30	3.00	.60	6.00	.....
Richardson's Rubra Superb Rich, deep crimson; latest of all. Very sweet.....	.30	3.00	.60	6.00	.....
Mixed all Colors (Double).....	.20	2.00	.30	3.00	75c&\$1

SINGLE PEONIES

Single Crimson, small, each 50c
Single Pink, small, each 50c.
Single White, small, each 50c.

TREE PEONIES

Japanese Tree 3 year old plants. Each, \$1.50; per doz. \$15.00.



PLATYCODON



PYRETHRUM

The Pyrethrum in May and June occupies a similar position to that held by the 'Mum in Oct. and Nov. Their flowers are large, of elegant form and are produced in great profusion. Their color range is from pure white to richest crimson. As a cut flower for vases or table decoration they are of the greatest value, lasting in water longer than almost any other flower.

HELPFUL BOOKS

Floriculture 320 pp.....	\$1.50
Hardy Plants, Plea for.....	1.60
How to Make a Flower Garden	1.60
Peony, The, 56 pp.....	.25
Woman's Hardy Garden, 205 pp	1.75



STOKESIA (Stokes' Aster)



RUDBECKIA (Purpurea Grandifl.)

Botanical Name.	Common Name.	Flowering Period.	Color.	Height	Each.	Doz.	Use, Soil, Position, Etc.
POTENTILLA	Cinquefoil						
Formosa.....		June-Aug.....	Rosy Red.....	18 in.....	15c	\$1.50	Valuable for massing in borders and for cut flowers. They require light, deep, loamy soil with exposed position.
Hybrida.....		June-Aug.....	Mixed.....	18 in.....	15c	1.50	
PRIMULA	Hardy Primrose						
Veris Grandiflora.....		May-June.....	Yellow.....	10 in.....	15c	1.50	They are useful for forcing under glass, making nice pot plants. Can be used with advantage for naturalizing in woods. They like leaf-soil, old decayed manure and light soil and a cool moist situation.
PYRETHRUM							
Alfred Kelway.....		June.....	Double Crimson.....	18 in.....	30c	3.00	Too much cannot be said in favor of the Hybrid Pyrethrums, which bloom in May and June and are sometimes called Spring flowering Chrysanthemums. They are not so well known as they should be for they are one of our best Spring flowering Perennials, being of great value for cut flower purposes, lasting in water longer than any flower we know. They are variable in color ranging from pure white to the most intense scarlet and crimson and are perfectly hardy, delighting in a cool moist soil. During the dry periods they ought to be copiously watered. If the dead flower stalks are cut off immediately they are through flowering a second crop of flowers will usually result during the cool fall months.
Aphrodite.....		June.....	Double White.....	18 in.....	40c	4.00	
Carl Vogt.....		May-June.....	Double White.....	18 in.....	40c	4.00	
James Kelway.....		June.....	Single Scarlet.....	18 in.....	40c	4.00	
Kelway's Hybrids.....		June.....	Mixed.....	18 in.....	15c	1.50	
Double Mixed.....		June.....	Mixed.....	18 in.....	15c	1.50	
Single Mixed.....		June.....	Mixed.....	18 in.....	15c	1.50	
Lord Rosebery.....		June.....	Double Carmine.....	18 in.....	40c	4.00	
Ne Plus Ultra.....		June.....	Double Flesh Color.....	18 in.....	40c	4.00	
Princess de Metternich.....		June.....	Double White.....	18 in.....	40c	4.00	
Virgo.....		June.....	Double Sulphur.....	18 in.....	40c	4.00	
Yvonne Cayeaux.....		June.....	Double White.....	18 in.....	40c	4.00	
*Uliginosum.....	Giant Daisy.....	Sept.-Oct.....	White.....	5 ft.....	15c	1.50	
RANUNCULUS	Fair Maids of France						
Aconitifolius Fl. Pl.....		May-June.....	White.....	2 ft.....	20c	2.00	Fine subject for the hardy border, and for cut flowers. Plant in semi-shade.
ROSMARINUS	Rosemary						
Officinalis.....			Lavender.....	2 ft.....	15c	1.50	Aromatic herb of neat habit, an old favorite on account of its sweet smelling foliage.
RUDBECKIA	Cone Flower						
*Laciniata fl. pl. Golden Glow.....		July-Oct.....	Yellow.....	5-7 ft.....	15c	1.00	The Rudbeckias are very decorative plants for shrubberies, flower borders or side of carriage drives, thriving in any good garden soil. Golden Glow is perhaps the best known kind, although they are all worthy of a trial, especially the Purpurea for its wine-red color. Any good garden soil suits them. Golden Ray is an improved Golden Glow, and worthy of a place in any garden, the flowers are of the richest golden yellow, and when fully open, form a most beautiful rosette. A large vase of cut flowers of this variety is very attractive. R. Newmanni differs from the other varieties in being very dwarf and showing the black cone (or disc) more conspicuously. When massed, it produces a grand effect, while for half shady places under trees, it is of great decorative value.
*Golden Ray.....	New.....	July-Oct.....	Golden Yellow.....	6 ft.....	20c	2.00	
*Maxima.....		June-Sept.....	Bright Yellow.....	6 ft.....	15c	1.50	
*Newmanni.....		June-Sept.....	Orange Blk. Cone.....	2 ft.....	15c	1.50	
*Nitida "Fall Sun".....	New.....	Sept-Oct.....	Golden Yellow.....	6 ft.....	20c	2.00	
*Purpurea.....	Purple Cone Flower.....	July-Sept.....	Reddish Purple.....	3 ft.....	15c	1.50	
*Grandiflora (New).....	Giant Purple Cone Flower.....	July-Sept.....	Claret Red.....	4 ft.....	25c	2.50	
SAGE (Green Sage)							
Holt's Mammoth.....				8 in.....	15c	1.50	Used for seasoning and dressings.
SAPONARIA							
Ocymoides Splendens.....		May.....	Pink.....	6 in.....	15c	1.50	This charming rock or border plant produces sheets of pink flowers in early Summer. It is of very easy culture and thrives in any garden soil in full sun.
SCABIOSA	Mourning Bride						
Caucasica.....		June-Sept.....	Pale Blue.....	18 in.....	15c	1.50	Useful border plants blooming freely all Summer; much prized for cutting and massing in old-fashioned gardens; succeeds best in light loam with plenty of sun.
Alba.....		June-Sept.....	White.....	18 in.....	25c	2.50	
SEDUM							
Acre.....	Golden Moss.....	May-June.....	Bright Yellow.....	3 in.....	15c	1.00	Fine plants for rock-garden, ruins, banks and walls, preferring open, loamy soil and stones. They will, however, flourish anywhere in city or country and stand dry weather.
Latifolius Atropurpureus.....		Aug.-Sept.....	Crimson.....	18 in.....	20c	2.00	
*Spectabile.....	Brilliant Stone-crop.....	July-Aug.....	Rose Color.....	18 in.....	15c	1.50	
Atropurpureus.....		July-Aug.....	Bright Crimson.....	18 in.....	20c	2.00	
SIDALCEA							
*Rosy Gem.....		June-July.....	Pink.....	3 ft.....	15c	1.50	Produces graceful spikes of pink flowers. A good border plant.
SOLIDAGO	Golden Rod						
Canadensis "Golden Wings".....		Sept.-Oct.....	Rich Yellow.....	6 ft.....	40c	4.00	Although native plants these two Golden Rods are worthy of cultivation, being of the easiest culture and their light graceful panicles of golden yellow flowers make them invaluable for cutting from August to October, at a time when flowers in the outdoor garden are scarce.
Nana.....		Aug.-Sept.....	Golden Yellow.....	18 in.....	15c	1.50	
SPIRAEA	Goats' Beard or Meadow Sweet						
Filipendula Fl. Pl.....	Dropwort.....	June-July.....	Double White.....	18 in.....	15c	1.50	Graceful plants, both in flower and foliage. Naturalized by the side of streams, or as a border or shrubbery plant. Filipendula fl. pl. is good for front row in hardy border or edging.



STATICE LATIFOLIA



YUCCA FILAMENTOSA



SWEET WILLIAM (Dianthus Barbatus)

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.
STATICE	Sea Lavender					
Latifolia		July-Sept.	Lavender	2 ft.	15c	\$1.50
STOKESIA	Stokes' Aster					
Cyanea		July-Oct.	Pale Blue	18 in.	15c	1.50
Alba		July-Oct.	White	18 in.	20c	2.00
SWEET WILLIAM						
Johnson's Giant		June-July	Various	18 in.	15c	1.50
Newport Pink		June-July	Salmon Rose	18 in.	20c	2.00
Single and Double		June-July	Mixed	18 in.	15c	1.50
Red		June-July	Red	18 in.	15c	1.50
Salmon		June-July	Salmon	18 in.	15c	1.50
White		June-July	White	18 in.	15c	1.50
TARRAGON (True German)					15c	1.00
Larger Clumps					20c	2.00
THALICTRUM	Meadow Rue					
Adiantifolium		June-Aug.	Yellow	8 in.	15c	1.50
Delavayi		June-Aug.	Dark Lilac	2½ ft.	30c	3.00
Dipterocarpum (New)		June	Rosy Purple	5-6 ft.	30c	3.00
Flavum		June-Aug.	Yellow	4 ft.	15c	1.50
THYMUS Vulgaris				12 in.	15c	1.50
TIARELLA						
Cordifolia		June	White	12 in.	20c	2.00
TRADESCANTIA						
Virginica	Spider Wort	July-Aug.	Blue	3 ft.	15c	1.50
Alba		July-Aug.	White	3 ft.	20c	2.00
Lilacina		July-Aug.	Lilac	3 ft.	20c	2.00
Rubra		July-Aug.	Rose	3 ft.	20c	2.00
TRILLIUM	Wake Robin					
Grandiflorum		May-June	White	12 in.	10c	1.00
TROLLIUS	Globe Flower					
Asiaticus Fl. Pl. Croco		May-June	Dark Orange	18 in.	25c	2.50
Caucasicus Orange Globe		May-June	Glowing Orange	3 ft.	25c	2.50
Japonicus Excelsior			Dark Orange	2 ft.	25c	2.50
TUNICA						
Saxifraga		June-July	Pink	1 ft.	15c	1.50
VALERIANA	Garden Heliotrope					
Officinalis		June-July	Pink	3 ft.	15c	1.50
VERONICA	Speedwell					
Elegans		July-Aug.	White	2 ft.	15c	1.50
Longifolia Subsessilis		July-Aug.	Blue	2½ ft.	15c	1.50
Rupestris		May-June	Bright Blue	4 in.	15c	1.50
Spicata		July-Aug.	Bright Blue	18 in.	15c	1.50
VINCA						
Minor	Green Myrtle	June	Blue	4 in.	10c	1.00
Argentea Variegata		June	Blue	4 in.	20c	2.00
YUCCA Filamentosa	Adams Needle	June-July	Pure White	4-5 ft.		

Price, 1 year strong plants at 10c each, \$1.00 per doz.; larger plants at 25c, 50c, 75c and \$1.00 each, according to size.

Use, Soil, Position, Etc.

Spreading panicles of everlasting flowers which are much prized for Winter decoration. They are graceful plants for the border; require sandy soil and full exposure to the sun.

Produces showy Aster-like flowers from 4-5 inches across; it is of easiest culture, succeeding in any open position; used as a cut flower and for planting in masses in the hardy border.

The varieties offered are an improvement on the old-fashioned kinds, inasmuch as the colors and size of flower are far superior, being grown from select seed. Sweet William looks fine in solid beds or masses and requires a good, rich, well manured soil to grow them to perfection.

These stately plants should be more grown on account of their finely cut foliage, which much resembles that of Maiden-hair Ferns. They make fine border plants for partial shade or sun, and will thrive in any good soil or situation.

An old-fashioned plant much prized for its fragrance. It is an evergreen and should be protected in winter in the colder sections.

A pretty low growing native plant about 12 inches high, producing showy spikes of white flowers in May and June. It likes shade and moisture.

A native plant that will thrive almost anywhere. The flowers are curious and produced in a succession throughout the whole Summer. The foliage is like the day lilies, is persistent and keeps green all Summer. Desirable for naturalizing.

One of the most beautiful of our native flowers. Hardy everywhere. Should be planted in partial shade. Splendid for naturalizing in moist shaded places. Flowers are pure white.

The Globe Flowers are beautiful showy border plants, having luxuriant foliage. Thrive best in semi-shady places and moist situations with heavy soil. Are useful for naturalizing, side of ponds and borders. The flowers are borne on stiff stems and are valued for cutting.

A very pretty little rock or border plant, bearing dainty pink flowers on slender stems. It likes a position in full sun. Rock plants are becoming very popular.

A good border plant with sweet scented flowers of heliotrope odor, worthy of a place in the back part of hardy gardens.

Among the prettiest of herbaceous plants, bearing in most cases blue flowers, which are much needed. Subsessilis is the best of the tall growing species and makes a fine cut flower. Rupestris is a fine plant for matting the ground and can be used for covering dry banks, graves, etc. All the varieties are worthy of cultivation. Requiring any good garden soil and plenty of water in dry weather.

Old garden favorites and valuable for graves, rough places and growing under trees where few other plants will live; they soon make a carpet.

A charming plant to group in the hardy flower border, cemetery or as specimens in the lawn.

"Grandmother's Garden" Collection of Hardy Perennials No. 1512

This collection comprises many of those plants so common to the old-fashioned gardens. All are choice and will be selected from those listed in our Catalogue. Each will be properly named but of our own selection.

Three plants of each of the following, all different:
 AQUILEGIAS—Columbines
 CAMPANULAS—Canterbury Bells
 DIANTHUS—Hardy Garden Pinks
 HOLLYHOCKS
 ASTERS—Michaelmas Daisies
 DELPHINIUMS—Larkspurs
 HEMEROCALLIS—Yellow Day Lilies
 IRIS
 PHLOX

The 27 plants will be expressed at the buyer's expense for \$3.00.

Ornamental and Flowering Shrubs and Trees



ILLUSTRATION OF FOUNDATION PLANTING WITH SHRUBS AND HARDY PERENNIALS

There is nothing that will add to the beauty and value of the home so much as well selected, judiciously planted shrubs, and considering their very moderate cost and the fact that they last forever when properly cared for, is the best reason why they should surround every home. We shall always be pleased to make suggestions as to the best varieties to plant for certain purposes or locations.

Our Shrubs are transplanted every two or three years and are furnished with plenty of fibrous roots and should not be compared to stock that is never moved from the cutting beds until sold.

Specimens. This term is applied to shrubs that are perfect both in height and diameter as well as shape and are recommended where immediate effect is desired.

SHIPPING DIRECTIONS: Shrub orders amounting to \$5.00 and over include prepayment either by express or freight, within limits of Chicago. Otherwise Shrubs and Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office.

A denotes shrubs which attain 9 to 12 feet in height at maturity.

B denotes shrubs which attain 5 to 8 feet in height at maturity.

C denotes shrubs which attain 1 to 4 feet in height at maturity.

Regarding Prices	Where the price for each is—	\$0.10, we supply 3 for	\$0.25, 12 for	\$1.00	\$0.45, we supply 3 for	\$1.20, 12 for	\$4.60	\$0.75, we supply 3 for	\$2.10, 12 for	\$8.00
		.15, we supply 3 for	.40, 12 for	1.50	.50, we supply 3 for	1.35, 12 for	5.25	.80, we supply 3 for	2.20, 12 for	8.50
		.20, we supply 3 for	.55, 12 for	2.25	.55, we supply 3 for	1.45, 12 for	5.75	.85, we supply 3 for	2.35, 12 for	9.00
		.25, we supply 3 for	.65, 12 for	2.50	.60, we supply 3 for	1.70, 12 for	6.50	.90, we supply 3 for	2.50, 12 for	9.50
		.30, we supply 3 for	.80, 12 for	2.85	.65, we supply 3 for	1.80, 12 for	7.00	.95, we supply 3 for	2.65, 12 for	9.75
		.35, we supply 3 for	1.00, 12 for	3.75	.70, we supply 3 for	1.90, 12 for	7.25	1.00, we supply 3 for	2.75, 12 for	10.00
		.40, we supply 3 for	1.10, 12 for	4.25						

Where personal selection of any stock is made by customers at our Nursery we always charge according to its value.

We invite a visit to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of specimens such as are not usually seen. Our nursery is located at Western Springs, (15 miles west of Chicago on the C. B. & Q. R. R.), two blocks south of 47th Street, the continuation of East Boulevard.

ALMOND, DOUBLE-FLOWERING (B)

A desirable class of early-flowering shrubs, blooming in early spring. The flowers are double and are either pink or white.

Double Pink or Double White.

2 to 3 ft., 40c; tree form, 3 ft., clear stem, \$2.00.

AMELANCHIER (European June-Berry)

Vulgaris. This variety blooms in early summer. The flowers are white and the leaves color beautifully in the fall. 2 to 3 ft., 40c; 3 to 4 ft., 50c; 4 to 5 ft., 60c.

AMORPHA (B)

Canescens (Lead Plant) (B.) A small native shrub bearing light purple flowers, June. 4 year, 50c.

Fruticosa (False Indigo) (B.) This large-growing shrub has dense terminal panicles of pretty, odd and attractive bluish flowers in July. 2 year, 35c; 3 year, 45c.

ARALIA (Hercules Club)

Cordata. New Japanese sub-shrub, with large dark green, heart-shaped leaves, and tall spikes of light green flowers, from August to September. 2 year, 30c; 4 year, 40c.

Mandshuricus. A very handsome shrub of erect habit and very large, much divided spiny leaves. 3 to 4 ft., 60c.

Maximowiczii. (A.) A remarkable, small tree with upright, spiny trunk. Leaves rich deep green, on strong, long stems. 4 ft., 75c.

Pentaphylla. (B.) A pretty Japanese shrub of medium size and rapid growth, branches furnished with spines, leaves palmate, five lobed. 4 to 5 ft., 75c; 6 ft. specimens, \$1.00.

Spinosa. (A.) A large shrub of semi-tropical appearance. Very prickly stem. Bears immense clusters of white flowers. 3 to 4 ft., 60c; 4 to 5 ft., 75c.

ARTEMISIA (Southernwood or Old Man) (C)

Abrotanum. A deciduous shrub well known for its fragrance. Extra strong bushes. 18 in. bushy, 25c; 2 ft. bushy, 30c; 2 1/2 ft. specimens, 50c.

BERBERIS (Barberry)

Illicifolia. (Holly-leaved Barberry) (B.) The thick, spiny evergreen leaves of this species give it a very close resemblance to the Holly. 12 to 18 in., 50c; 2 to 2 1/2 ft., with ball and burlap, 75c.

Thunbergii. (Japanese Barberry) (B.) One of the most beautiful shrubs either for hedging or general purposes. It is of a neat, compact growth and never need be touched with the shears. The foliage is beautiful at all times, and in the fall turns to a most brilliant crimson color. The plant is literally covered with bright scarlet berries all the fall and winter. It seldom grows over 4 ft. high. It is fine for the edge of a terrace and along roads and walks. 1 year, 10 to 15 in., 15c; \$8.00 per 100; 2 year, 15 to 20 in., 25c; \$14.00 per 100; 3 year, 18 to 24 in., 40c; \$25.00 per 100; 4 year, strong, 50c; \$35.00 per 100; 5 year specimens 75c to \$1.00.

Japonica. In habit of growth between Vulgaris and Thunbergii, having the same spreading habit of the latter, but growing taller. The bark of the young branches is a beautiful red-brown. The foliage colors up magnificently in the fall and remains on the bushes much longer than Thunbergii. 1 ft., 30c.; 3 to 4 ft., 60c.

Vulgaris. (European Barberry) (B.) A handsome shrub suitable for hedge, with yellow flowers in May and June, followed with orange-scarlet fruit. 1 to 2 ft., 25c; 2 to 3 ft., 40c; 3 to 4 ft., 50c.

Vulgaris Purpurea. (Purple-leaved Barberry) (B.) Especially remarkable for its dense, upright growth and its brilliant purple foliage and fruit. When full grown, plants attain a height of 4 to 5 ft., but can be kept at any height below this by shearing. It is very valuable as a border for walks and drives. Splendid for a hedge, also good as single specimens on the lawn. Endures partial shade and is perfectly hardy. 2 to 2 1/2 ft., 30c; 3 to 4 ft., 45c; 4 to 5 ft. specimens, 75c.



BERBERIS THUNBERGII



CALYCANTHUS (Sweet Shrub)



BERBERIS (Barberry)



CLETHRA (Sweet Pepper Bush)

See page 36 for prices on 3 and 12 of a kind

CALYCANTHUS (Sweet Shrub) (B)

The Calycanthus is one of the most desirable shrubs. The wood is fragrant. Flowers are of a rare chocolate color, having an exquisite pine-apple fragrance. They bloom in June and at intervals after. 18 in. bushy, 35c; 2½ to 3 ft., 60c; 4 ft. specimens, 75c.

CARAGANA SIBERICA (Siberian Pea Tree) (A)

Bush or low tree. Pea-shaped yellow flowers in May. 3 to 3½ ft., 50c.

CEANOTHUS AMERICANA (Jersey Tea) (B)

A small shrub with a profusion of white flowers, in crowded panicles, in June. One of the best shrubs for growing in shady places. 1½ ft. bushy, 50c.

CEPHALANTHUS OCCIDENTALIS (Button Bush) (B)

A tall-growing native shrub with globular heads of white flowers in July. 3 to 4 ft., 50c; 4 to 5 ft. specimens, 75c to \$1.00.

CHIONANTHUS VIRGINICA (White Fringe Tree)

Large shrub or small tree, with large, heavy leaves almost hidden in spring by a thick mist of fragrant, drooping white flowers. When planted against evergreens it is one of our very best lawn ornaments. Attains a height of 9 to 15 ft. 18 to 24 in., 40c; 2 to 3 ft., 50c; 3 to 4 ft., 60c.

CLETHRA ALNIFOLIA (Sweet Pepper Bush) (A)

A grand shrub covered with spikes of clear white fragrant flowers in August. 18 to 24 in., 40c; 2 to 3 ft., 50c; 3 to 4 ft., 60c.

CORCHORUS (Kerria)

Japonica. (B.) Single yellow flowers, with neat growth. An old favorite. 1 to 2 ft. bushy, 40c.

Japonica Aurea Var. (C.) A graceful shrub, 4 to 5 ft. high, with double yellow flowers from early summer till fall. As pretty as a rose. Very ornamental as a plant for lawn. Foliage edged green and yellow. 1 to 1½ ft., 40c.

Japonica Argentea Var. (B.) A pretty dwarf variety with small, green foliage, edged white, slender grower. A valuable dwarf shrub. 1 to 1½ ft., 40c.

Japonica Flore Pleno. Double flowered. This fine old shrub should be in all collections. It is of a spreading habit. Its double yellow blossoms, which are about 1 in. in diameter appear early in May, one from each leaf axil. It is excellent for massing. 2 to 3 ft., 50c.

CORNUS (Dogwood)

Alternifolia. (Blue Dogwood.) (B.) A pretty, large shrub; forms almost flat head. The bunches of white flowers borne in May are followed by deep blue berries. 2 to 3 ft., 50c.

Gouchaulti. Yellow and green variegated foliage, with red bark, attractive. 2 ft., 60c.

Mas. (Cornelian Cherry.) (B.) One of the earliest of spring blooming shrubs, bearing a profusion of small, yellow flowers along its naked branches in early days of April. Bright red berries, size of small cherries, very ornamental. 2 to 3 ft., 50c; 3 to 4 ft., 60c.

Sanguinea. (Red-branched Dogwood.) (B.) Very conspicuous and ornamental. Bark in winter blood-red. 3 ft., 40c.

CORNUS (Continued)

Sericea. (Silky Dogwood.) A reddish-stemmed variety, producing its corymbs of white flowers late in June, followed by pretty blue berries in October; 2 to 3 ft., 60c.

Siberica. (Red Siberian Dogwood.) (B.) A rare and remarkable variety with bright red bark in winter. 2 to 3 ft., 35c; 3 to 4 ft., 50c; 4 to 5 ft. specimens, 75c.

Stolonifera Aurea. A variety with golden yellow bark, very attractive. Planted in masses with the red-barked varieties, an effective and striking contrast may be secured. It is perfectly hardy. 2 to 3 ft., 35c; 3 to 4 ft., 60c.

CRAB (Bechtel's Double Flowering) (A)

Most beautiful of all the flowering Crabs; hardy. Trees of medium size are covered in early spring with large, beautiful double fragrant flowers of a delicate pink. This is the ideal lawn tree for a small yard. 3 to 4 ft., \$1.25; 5 to 6 ft. specimens, \$3.00, \$4.00 and \$5.00.

CYDONIA JAPONICA (Japan Quince) (B)

A single shrub on the lawn is very attractive; brilliant crimson flowers, among the first in spring. Valuable for ornamental hedges. 1½ to 2 ft. each, 40c; \$25.00 per 100; 3 to 3½ ft., 60c; 4 ft. specimens, \$1.00.

Gaujardi. (B.) Orange-colored flowers. Large showy fruit. Forms a large shrub. 2 to 3 ft., 50c.

Umbilicata. (B.) Flowers brilliant rosy red, succeeded by large showy fruit. One of the finest large shrubs. 4 ft., 75c to \$1.00.

CYTISUS LABURNUM (Golden Chain)

A native of Europe, which takes its name from the long drooping racemes of yellow flowers which appear in June. 1½ ft., 30c.

DESMODIUM PENDULIFLORUM (C)

A shrub-like plant which dies to the ground in winter, but comes up vigorously each spring. Bears attractive sprays of bright rose-colored flowers in September. 2 year, 35c; 3 year, 50c; 4 year, 60c.

DEUTZIA

We are indebted to Japan for this valuable genus of plants. Their hardiness, fine habit, luxuriant foliage and profusion of attractive flowers places them among the most beautiful and most popular of flowering shrubs at the present time. Flowers in June and through July and August.

Crenata fl. pl. (B.) A handsome free flowering shrub, with numerous upright branches. Leaves dull green, rough on both sides, 2 to 3 inches long. Flowers double, pure white, in erect panicles 2 to 4 inches long. 2 ft. bushy, 30c.

Gracilis. (C.) A low growing shrub with slender graceful branches of pure white flowers, free flowering and very sweetly scented. 10 in. bushy plants, 25c; per 100, \$12.00; 1½ ft., extra bushy, 40 to 75 branches 35c.

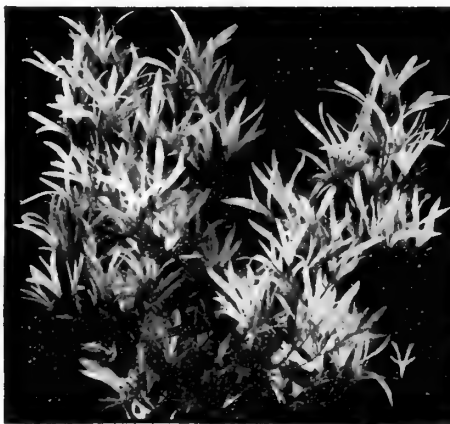
Lemoinei. (B.) A hybrid of the well-known Deutzia Gracilis with Deutzia Parviflora. Flowers pure white, borne on stout branches, upright growth. 1 to 1½ ft., 30c; per 100, \$15.00; 2 to 3 ft., 50c.

Lemoinei Compacta. (C.) New. The dwarf, compact bushes are covered completely with white flowers during May and June. 18 in. bushy, 35c.

Pride of Rochester. (B.) A variety of Deutzia Crenata Flore Pleno, and producing large double white flowers; back of the petals slightly tinted with rose. It excels all the older sorts in size of flower, length of panicle, profuseness of bloom and vigorous habit; blooms nearly a week earlier. 2 ft., 25c; 3 to 4 ft., 50c.



**BECHTEL'S
DOUBLE FLOWERING CRAB**
(For description see preceding page)



CHIONANTHUS (White Fringe)
(For description see preceding page)



DOUBLE DEUTZIA

ELEAGNUS (Silver Thorn)

Angustifolia. (B.) Sweet-scented flowers in May or June; narrow leaves; hardy. 2 to 3 ft., 35c; 3 to 4 ft., 45c; 5 to 6 ft. specimen, 75c and \$1.00.

EUONYMUS (Burning Bush)

Alatus. (B.) Dwarf, compact habit. Wood corky; leaves small; fruit red; very beautiful in autumn, when the foliage turns bright red. One of the prettiest of shrubs for specimens on the lawn. 2 to 3 ft., 75c; 3 to 4 ft., \$1.25; 4 to 5 ft. specimens, \$3.00 and \$4.00.

Americanus. (B.) An erect shrub with slender green branches, leaves bright green. Fruit warty, rose color, with scarlet seed coats. 2 to 3 ft., 50c.

Europaeus. (European Burning Bush.) Forms a tree sometimes 30 ft. in height. Rose-colored fruit. 2 to 3 ft., 45c; 3 to 4 ft., 60c; 4 to 5 ft., 75c; 5 ft. specimens, \$1.00.

Linearis. (C.) A pretty shrub of dwarf habit; foliage narrow, becoming purple in autumn, fruit red; fine for rockeries. 1½ to 2 ft., 35c.

EXOCHORDA GRANDIFLORA (Pearl Bush) (A)

A vigorous-growing shrub, forming a neat compact bush. Pure white flowers borne on slender racemes, on light and wiry branches that bend beneath their load of bloom. Hardy. May. 2 to 3 ft., 40c; 3 to 4 ft., 60c.

FONTANESIA FILARIAEFOLIA (B)

A large shrub with somewhat slender shoots and small leaves, bearing small clusters of small white flowers with yellowish anthers, towards the close of May. 3 to 4 ft., 40c.

DOGWOOD
(See Cornus)
ELDERS
(See Sambucus)

FORSYTHIA (Golden Bell)

These are pretty shrubs of medium size. All natives of China and Japan. The flowers are drooping, golden yellow, and appear very early in spring before the leaves. The best very early flowering shrubs. Admired by thousands in Chicago parks.

Fortunei. (Fortune's Forsythia.) (B.) Growth upright, foliage deep green. Flowers rich yellow. 2 ft., 40c; 3 to 4 ft., 50c.

Intermedia. Flowers bright yellow, glossy green foliage. 1½ to 2 ft., 30c; 2 to 3 ft., 45c.

Sieboldi. (B.) Of drooping habit, flowers bell-shaped, light yellow; very pretty. 2 to 3 ft., 35c.

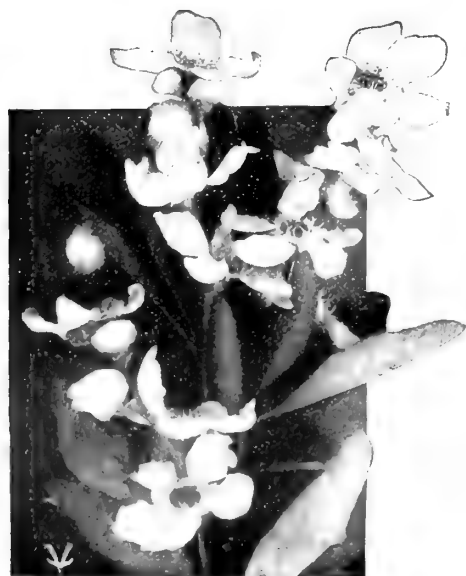
Suspensa. (The Weeping Forsythia.) (B.) Fine drooping habit and covered with bright yellow flowers in early spring. 2 to 3 ft., 35c; 3 to 4 ft., 50c.

Viridissima. (B.) A very pretty shrub of medium height; perfectly hardy in this country. The plant is covered with drooping yellow flowers, blooming very early in spring. 2 to 3 ft., 30c; 3 to 4 ft., 40c; 4 to 5 ft. specimens, 75c.

HAMAMELIS VIRGINICA (Witch Hazel) (B)

A tall-growing shrub, yellow bell-shaped flowers. May and June. 2 to 3 ft., 50c; 3 to 4 ft., 75c.

Send in your orders early, which will be as well for you and better for us. Be sure in every letter to give your name, post-office and state.



EXOCHORDA (Pearl Bush)

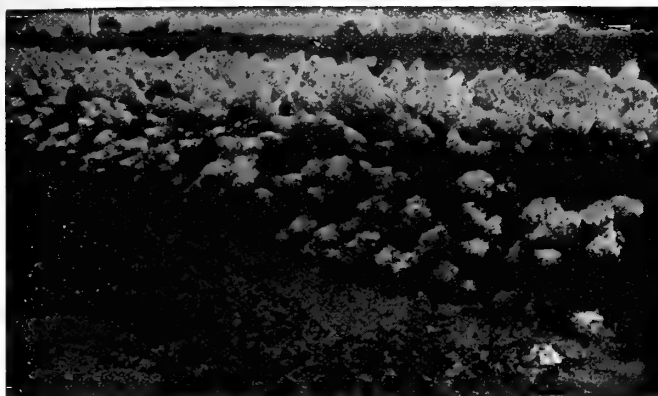


EUONYMUS ALATUS
(Burning Bush)



FORSYTHIA (Golden Bell)

For prices on 3 and 12 of a kind see top of page 36



HYDRANGEA PANICULATA GRANDIFLORA

HIPPOPHAE RHAMNOIDES (B) (Sea Buckthorn)

A rigid growing shrub, with leaves of silver color on the underside. 2 to 3 ft., 35c; 3 to 4 ft., 50c; 5 to 6 ft. specimens, 75c and \$1.00.

HYDRANGEAS

ARBORESCENS GRANDIFLORA "SNOWBALL." (New) (C.)

This new American Hydrangea was found growing wild some years ago in the woods of Ohio and bids fair to become the most beautiful hardy flowering shrub introduced during the last twenty years. Its greatest value, aside from its beauty, is that it comes into bloom just after the flowering time of the Lilacs, Syringas, Viburnum and spring-flowering Spiraeas and continues on into August. The panicle is more like a Snowball in form and size than Paniculata Grandiflora (hence the name), and is a pure white. It seems to thrive well in various soils but requires shade. We offer strong dormant plants. 2 year, 35c; per 100 \$25.00; 3 year, 75c.

HYDRANGEA PANICULATA GRANDIFLORA (A.)

Tens of thousands of this noble summer and autumn-flowering shrub have been sold the past few years, and the demand is now universal. They grow to a height of 8 to 10 feet and are absolutely hardy, grow in any soil and bloom the same year they are set out. They flower abundantly, bearing immense panicles of bloom a foot long, white at first, turning to rose in autumn, commencing to bloom in August, when very few shrubs are in bloom. An annual shortening of branches tends to increase the size of the flowers.

2 year, each, 30c; 3 for 80c, doz., \$2.85; per 100, \$22.00;
3 year, each, 40c; 3 for \$1.10, doz., \$4.25; per 100, \$25.00;
4 year, each, 50c; 3 for \$1.35, doz., \$5.25; per 100, \$35.00.

(Tree Form) (A.)

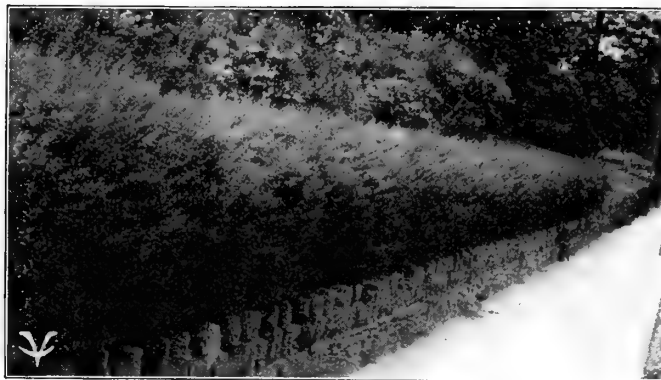
These plants have a clear stem about 3 feet long, with a bushy top, making a grand show when in flower. 1½ to 2 ft., clear stem, each, 50c and 75c; extra selected, each, \$1.00 and \$1.25.

LIGUSTRUM (Privet)

Amurensis. (Amoor Privet.) (B.) A very slender grower; the foliage is finer and of a lighter green than that of the California. A fine hedge plant. 1½ to 2 ft., each, 25c; per 100, \$15.00; 2 to 3 ft., each, 30c; per 100, \$20.00; 3 to 4 ft., each, 40c; per 100, \$28.00; 4 to 5 ft., each, 50c; per 100, \$35.00.



HYDRANGEA PANICULATA GRANDIFLORA



PRIVET HEDGE

LIGUSTRUM—Continued

California. (B.) This Privet has gained an immense popularity for hedging, but we find it unable to always stand the Illinois winters and can recommend it only for the eastern and southern states. 2 to 3 ft., each, 25c; per 100, \$12.00; 2½ ft., extra bushy, each, 30c; per 100, \$20.00.

Ciliatum. Small Japanese shrub with pointed elliptical leaves, white flowers, followed by black berries the size of a pea. 3 ft. extra bushy, each, 35c; per 100, \$28.00.

Isota. (B.) A valuable hardy Privet for the western and northern states. It is almost evergreen and grows freely in all soils. Compact and regular in form, and bears shearing to any extent. Flowers white and fragrant; leaves long and shiny. A charming shrub for hedges or specimens on the lawn. 1½ to 2 ft., each, 20c; per 100, \$10.00; 2 to 3 ft., each, 30c; per 100, \$20.00; 3 to 4 ft., each, 40c; per 100, \$30.00; 4 ft. specimens, each, 60c.

Regelianum. (B.) This beautiful, graceful Privet is absolutely hardy and most desirable in every way. It is a dense shrub with stiff, twiggy, horizontal spreading branches, drooping at the ends. An excellent shrub for specimens, mass planting or hedges. It will become one of the most popular varieties as soon as it is better known. It forms a graceful, symmetrical bush, sufficiently dense for hedge purposes without trimming. Effective when massed against buildings or on slopes or banks. 2 to 3 ft., each, 20c; per 100, \$12.00; 4 ft. specimens, 75c and \$1.00.

Vulgare. (European Privet.) (B.) Very useful for hedges; can be clipped any shape. Grown as single specimens it produces panicles of white flowers in June. The foliage is of a lighter green than the other sorts. Its black berries remain on the bush all winter, and are quite ornamental. 2 to 3 ft., each, 20c; per 100, \$12.00; 3 to 4 ft., each, 30c; per 100, \$22.00.

LILACS (True Syringa) (B)

Alba Grandiflora. Flowers pure white and very fragrant. Strong bushes. 1 to 2 ft., each, 25c; per 100, \$15.00; 2 to 3 ft., each, 30c; per 100, \$20.00; 3 to 4 ft., each, 50c; per 100, \$35.00; 4 to 5 ft., each, 75c; per 100, \$55.00; 5 to 6 ft. specimens, \$1.50.

Alphonse Laval. A variety bearing beautiful double flowers of a rare blue color. 3 to 4 ft., 75c.

Amurensis. Blooms in June. Large white trusses. 4 to 5 ft., 75c.

Bertha Dammann. Magnificent pure white flowers, borne on large spikes. 2 to 3 ft., 50c.

Charles X. A strong, rapid-growing variety, with large, shining leaves; trusses large, of a reddish purple color. Strong bushes. 1½ to 2 ft., each, 40c; per 100, \$30.00; 2 to 3 ft., each, 50c; per 100, \$40.00; 3 to 4 ft., 85c.

Japonica. A series from Japan, becoming a good-sized tree. Foliage dark green, glossy, leathery; flowers creamy white, odorless, in great panicles. A month later than other Lilacs. 2 to 3 ft., 60c; 3 to 4 ft., 75c; 5 to 6 ft., specimens, \$1.00 to \$1.50.

Josikaea. Has dark lilac-colored flowers. It blooms the first week in June. It is distinct and valuable. 1½ to 2 ft., 50c.

Mad. Lemoine. Double pure white flowers, borne in large clusters. Strong bushes. 2 to 3 ft., 60c; 3 to 4 ft., 75c; 5 to 6 ft. specimens, \$1.00 to \$1.50.

Marie Legraye. Large panicles of white flowers. Valuable for forcing. The finest white Lilac. 1½ to 2 ft., each, 50c; per 100, \$35.00; 5 ft. specimens, \$1.50; tree form standards, 4 ft., \$1.50.

Michel Buchner. Dwarf plant, vigorous. Double flowers of pale lilac color. 4 to 5 ft. specimens, \$1.00 to \$1.50.

Persian, Purple. Small glossy leaves that do not mildew. Sweet scented flowers. 2½ to 3 ft., 50c; 3 to 4 ft., 65c; 5 ft. specimens, \$1.00 and \$1.25.

Rubra de Marley. The old-fashioned purple Lilac. Strong bushes. 2 to 3 ft., each, 35c; per 100, \$25.00; 3 to 4 ft., each, 60c; per 100, \$45.00; 4 to 5 ft., 75c to \$1.00.

Villosa. (C.) A species from Japan. Large branching panicles; flowers light purple in bud, white when open; fragrant; foliage resembles that of the White Fringe. Especially valuable as its flowers appear two weeks later after those of other Lilacs. 1½ to 2 ft., 50c.

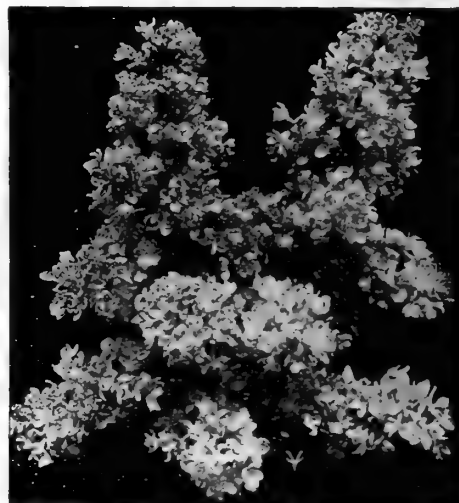
Vulgaris. (Common Lilac.) Bluish-purple flowers. A standard variety. Always good. 1½ to 2 ft., each, 25c; per 100, \$15.00; 2 to 3 ft., each, 45c; per 100, \$32.00; 3 to 4 ft., each, 60c; per 100, \$40.00; 4 to 5 ft., each, 75c; per 100, \$60.00.



LILAC, CHARLES X



PHILADELPHUS (Syringa)



LILAC Mme. LEMOINE

LILACS ON THEIR OWN ROOTS

The above has a great advantage over the usually offered budded stock. They are much longer lived, improve in beauty each year; and they withstand our severest winters. The demand for them becomes greater each year.

We have been fortunate enough to procure the following varieties in good, strong stock, but regret to say that the supply is very limited, and strongly advise customers to order early.

All are fully described in the general list of varieties on preceding page.

Charles X.....	2 to 2½ ft.	Each, \$1.00
Marie Legraye.....	1½ ft.	Each, 1.00
Mad. Lemoine.....	2 to 3 ft.	Each, 1.00

LINDERA BENZOIN (Spice Bush)

An early flowering hardy ornamental shrub, covered with small yellow flowers which appear before the leaves. A fine shrub for partially shaded places and waterside planting. Most effective when planted in masses. 3 to 4 ft., 75c.

LOCUST—SEE ROBINIA—TREES

LONICERA (Bush Honeysuckle)

Hardy shrubs valuable for their numerous flowers and showy fruit.

Alberti. Violet bell-shaped flowers, leaves narrow. A very hardy variety, somewhat procumbent. 3 to 4 ft., bushy, 50c.

Bella Candida. A fine variety, producing fruit of red color in great profusion. 3 to 4 ft., 50c.

Ledebouri (B.) A distinct species with red flowers in May; pretty. 3 to 4 ft., each, 40c; per 100, \$30.00; 4 ft. specimens, 60c.

Morrowii. (Japanese Bush Honeysuckle) (B.) A strong, vigorous grower with pure white flowers produced in May and June, followed by brilliant-colored fruit. 3 to 4 ft., 45c.

Tartarica Alba (White Tartarian) (B.) 3 to 4 ft., 50c.

Tartarica Rosea (Pink Tartarian) (B.) 2 to 3 ft., 35c; 3 to 4 ft., 50c.

Virginalis Alba White flowers, resembling Tartarica Alba. 2 to 2½ ft., bushy, 35c.

MAHONIA

Aquifolia (Holly-leaved Mahonia). A native species of medium size, with purplish, shining prickly leaves, and showy, bright yellow flowers in May, succeeded by bluish berries. Its handsome, deep green, glossy foliage and neat habit, render it very popular for decorative planting. 2 year, each, 35c; per 100, \$25.00; 3 year, each, 45c, per 100, \$32.00; 4 year, 60c.

MALUS (Pyrus)

Arbutifolia A beautiful species with dark brown bark, and green leaves that change to a beautiful scarlet in the fall. Bears scarlet berries. 2 to 3 ft., 35c; 3 to 4 ft., 60c.

Floribunda Single flower; beautiful carmine in bud; white when open. May. Fruit very ornamental in autumn. 4 to 5 ft., \$1.00; tree form, 5 ft., \$1.25.

Floribunda Atrosanguinea Flowers crimson, produced in great profusion. A charming variety. May. 4 to 5 ft., \$1.00; tree form, \$1.25.

MORUS (Mulberry)

Tartarica (Russian). 20 to 25 ft. Hardier in the northwest than all others. 3 to 4 ft., each, 35c; per 100, \$25.00; 5 to 6 ft., 50c; 7 to 8 ft. specimens, \$1.25.

PHILADELPHUS OR SYRINGA (Mock Orange)

Indispensable well-known shrubs that are prized for their beautiful foliage and white flowers. The taller kinds flower profusely and nothing is finer in their season; while the dwarf varieties do not bloom so lavishly, they form pretty, compact bushes, useful for the front of shrubberies.

Avalanche (B.) New. The flowers are large, white, very sweet and produced in such profusion that their weight bends the long slender branches almost to the ground, producing a most wonderful effect as if the branches were loaded with new fallen snow. 1½ to 2 ft., each, 25c; per 100, \$18.00; 2 to 2½ ft., bushy, each, 35c; per 100, \$25.00. 3 to 4 ft., 50c.

PHILADELPHUS—Continued

Coronarius (A.) A grand old favorite shrub. Should be in every yard. Covered with sweet-scented white flowers in June. 2 to 3 ft., each, 35c; per 100, \$25.00.

Coronarius Aureus Golden leaved Mock Orange, much prized for its bright effect. 1 to 1½ ft., bushy, 40c.

Dianthiflorus Fl. Pl. (B.) A dwarf-growing variety, with double cream-colored fragrant flowers. 2 to 2½ ft., each, 35c; per 100, \$25.00; 3 ft. specimens, 60c.

Falconeri A graceful shrub with arching branches of pure white starry flowers. Very free-flowering. 3 to 4 ft., 35c.

Grandiflorus (A.) (Large-flowered Syringa or Mock Orange). Without a doubt one of the most popular shrubs grown, and ought to be in every garden, no matter how small. Flowers are pure white, very large and it is one of the freest flowering of the genus. 1½ to 2 ft., each, 25c; per 100, \$15.00; 2 to 3 ft., each, 35c; per 100, \$25.00; 3 to 4 ft., each, 50c; per 100, \$35.00.

Lemoinei Erectus (B.) A charming variety of erect growth; creamy white fragrant flowers. 1½ to 2 ft., each, 25c; per 100, \$15.00; 2 to 3 ft., each, 35c; per 100, \$25.00.

Manteau d'Hermine Flowers double or semi-double, creamy white, covering the branches. Fine. Habit dwarf. 1½ to 2 ft. bushy, 45c.

Mont Blanc Attaining 5 ft. in height, erect branches, entirely covered with large fragrant flowers. 4 ft., 50c.

Speciosus (A.) Large, pure white flowers. Very fine shrub. 2 to 3 ft., 35c.

Zeheri (A.) A large-flowered odorless variety; blooms very late. 4 to 5 ft., 75c.

PRIVET (See Ligustrum)

PRUNUS

BURBANK'S OTHELLO PLUM A purple-leaved Plum. A useful fruit with splendid foliage. Our own introduction. A rare combination of the useful and the beautiful. A wonderful new fruit and ornamental tree; one of Luther Burbank's creations, of which we purchased the first and only tree in 1905.

The tree is an upright grower, and a prolific bearer; fruit deep crimson about one inch in diameter, ripening before the very earliest of ordinary plums.

The foliage is of the most brilliant reddish purple, and holds its color throughout the season. 2½ to 3 ft., each, 50c; per 100, \$30.00; 3 to 4 ft., each, 60c; per 100, \$40.00; 4 to 5 ft., each, 75c; per 100, \$60.00; 5 to 6 ft., each, \$1.00; per 100, \$80.00

Spinosa (Blackthorn.) White flowers borne on solitary peduncles before the leaves appear. A well known shrub with branches inclined to be spiny. Round black fruit, very acid. 2 to 3 ft., 35c.

Triloba (B.) (Double-flowered Plum) Native of China. A very desirable addition to hardy shrubs; flowers double, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender branches; flowers in May. 2 to 3 ft., 50c. Tree form specimens, 4 ft., clear stem, \$2.50.

PTELEA (Hop Tree)

Trifoliata A large shrub or small tree, of rapid growth and robust habit. Fruit winged, and in clusters, flowers in June. Succeeds well in the shade. 2 to 3 ft., 30c.

Trifoliata Aurea (A.) (Golden-leaved Hop tree) A round, low-growing tree with large trifoliate leaves, and with a glossy surface that brings out the rich, solid yellow of the leaves, as if varnished. Useful in a lawn, border or group. 3 to 4 ft., 60c; 5 ft. specimens, \$1.00.

RHAMNUS (Buckthorn)

Catharticus (A.) A fine, robust shrub, with dark, green foliage, white flowers and small black fruit. A popular hedge plant. 2 to 3 ft., each, 25c; per 100, \$15.00; 3 to 4 ft., each, 30c; per 100, \$20.00.

Frangula (B.) (Alder Buckthorn) A valuable and decorative species of erect habit with glossy leaves and black berries. Its long black branches speckled with white are very attractive in winter. 3 to 4 ft., 35c. 5 to 6 ft. specimens, each 75c; per 100, \$50.00.

Imeritina (B.) A variety remarkable for its foliage. The leaves are dark and sometimes reach a length of nine inches, assuming a rich bronze tint when full grown. 2 ft., 50c.

Purshiana (B.) A rare shrub, valuable for its long dark leaves and red berries which turn to black in the fall. 5 to 6 ft., 75c.

RHODOTYPOS (White Kerria)

Kerrioides (C.) A very ornamental Japanese shrub of medium size with handsome foliage and large single white flowers in the latter part of May, succeeded by numerous small fruits. 2 to 3 ft., each, 30c; per 100, \$20.00; 3 to 4 ft., 45c; 4 to 5 ft. specimens, 60c.



SPIRAEA SORBIFOLIA



SPIRAEA VAN HOUTTEI (Bridal Wreath)



SPIRAEA BILLARDII

RHUS (Sumach)

Cotinus (Purple Fringe, or Smoke Tree) A common shrub rarely seen in perfection because of bad pruning. In good soil and allowed to develop naturally, it is exceedingly ornamental. 3 to 4 ft., 50c.

Copallina (Dwarf or Shining Sumach) (D.) Beautiful shining green foliage changing to rich crimson in autumn. Greenish yellow flowers in August. 1 to 1½ ft., each, 30c; per 100, \$22.00; 1½ to 2 ft. each, 40c; per 100, \$30.00; 2 to 3 ft., 60c.

Clabra (Smooth Sumach). Very effective in autumn with its crimson seeds and foliage. 2 to 3 ft., each, 25c; per 100, \$15.00; 3 to 4 ft., 45c.

Clabra laciniata (Cut-leaved Sumach) A very striking plant, of moderate size, with deeply cut leaves resembling fern leaves; dark green above and glaucous below, and turning to a rich red in autumn. 2 to 3 ft., each, 50c; per 100, \$35.00; 3 to 4 ft., 65c.

Typhina (Staghorn Sumach) A large shrub or tree, brilliant foliage and scarlet fruit in autumn. 4 to 5 ft., 45c.

Typhina laciniata (Fern-leaved Staghorn Sumach). As its name indicates, the branches resemble the elk's horn while developing, and it is one of the most tropical-looking native shrubs we possess. The foliage is finely cut and as beautiful as a tree fern. A rare novelty originating in the White Mountains. Attains height of 20 ft., but is generally used as a shrub. It turns a golden yellow in the fall. 2 to 3 ft., each, 30c; per 100, \$20.00; 3 to 4 ft., each, 40c; per 100, \$28.00; 5 to 6 ft., 60c.

RIBES, OR FLOWERING CURRANT

Alpinum (B.) An attractive shrub with fragrant golden-yellow flowers and deep scarlet fruit. 2½ to 3 ft., bushy, 45c.

Aureum (B.) (Yellow-flowering, or Missouri Currant.) A native species, with glabrous shining leaves and yellow flowers. June and July. 2 to 3 ft., each, 25c; per 100, \$15.00; 3 to 4 ft., each, 30c; per 100, \$20.00; 4 to 5 ft., each, 40c; per 100, \$28.00; 5 ft. specimens, 50c to 75c.

Gordonianum (B.) (Gordon's Currant.) A hybrid between Aureum and Sanguineum. Hardy and profuse blooming shrub. Flowers crimson and yellow in pendant bunches in May. 3 to 4 ft., 35c; 4 to 5 ft., 50c.

ROBINIA HISPIDA (Rose Acacia) (A)

A very handsome shrub. The branches closely resemble those of a Moss Rose. The leaves are similar to those of the Locust. In June and July long panicles of rose-colored flowers hang from the branches. 2 to 2½ ft., 50c.

ROSA (Rose)

Rubiginosa. (True English Sweet Briar.) This is the true Eglantine. It is perfectly hardy, and once it is planted, little, if any, care is necessary. 2-year old, 20c; 3-year old, 35c.

Rubrifolia. Valued for its beautiful reddish green foliage, as well as for its pink flowers in early June. 2-year old, 25c; 3-year old, 40c.

Setigera. (Prairie Rose.) Small single pink flowers and extra fine foliage, sometimes called the brambleleaved rose. 2-year old plants, each, 35c; 3 for \$1.00, by express.

SALIX (Willow)

The Willows will grow anywhere, but do best in rich moist soil. They are particularly valuable as among the few trees that will endure the harsh winds of the sea coast.

Babylonica. (Weeping Willow.) The stock we offer is grown to bush form to be used not as a tree, but as a shrub. Strong, bushy plants. 5 to 6 ft., 40c.

Japonica. This has broad, shining green leaves, quite ornamental. 3 to 4 ft., 35c; 4 to 5 ft., 50c.

Laurifolia. (Laurel-leaved Willow.) A rapid grower, erect form, with broad, glossy, dark green leaves; admirable for sea-shore and narrow streets. 3 to 4 ft., 35c; 4 to 5 ft., 50c.

Niobe Aurea. An elegant shrub with golden bark. 4 to 5 ft., 50c.

Viminalis. (Osier Willow, Basket Willow.) A large bush with slender, straight branches, often used for tying material. 3 to 4 ft., 30c.

Vitellina Purpurea. (Purple Osier.) A Red or Purple barked variety, height 5 to 10 ft., and an erect grower and native of Europe. 3 to 4 ft., 30c.

Wisconsin Weeping. Of drooping habit and harder than Babylonica. Valuable on account of its resistance to severe cold. 3 to 4 ft., 30c; 5 to 6 ft., 50c.

SAMBUCUS (Elders)

Much in demand for the beautiful leaves. The flowers and fruits are also showy and attractive. Grows well anywhere; needs pruning to keep it in shape.

Aurea. (A.) (Golden-leaved.) The golden foliage of this makes it in much demand. It makes a showy appearance when planted in shrub beds. 2 to 3 ft., 25c; 3 to 4 ft., 45c; 5 to 6 ft., 75c.

Laciniata. (A.) (Cut-leaved.) Has finely bisected leaves. 3 to 4 ft., each, 35c; 4 to 5 ft., 50c; 6 ft. specimens, 75c to \$1.00.

Nigra. (The Black Elder.) 4 ft., 35c.

SNOWBALLS (See Viburnum)

SPIRAEA

The Spiraeas are all elegant, low shrubs, of the easiest culture, and their blooming extends over a period of three months.

Anthony Waterer. (B.) (Perpetual-blooming Red Spiraea.) A fine, hardy perpetual-blooming shrub, very desirable for the lawn. Makes nice, round bushes 3 ft. high and wide; beginning to bloom almost as soon as planted; rose red flowers in large, round clusters all over the bush. 1 ft., extra bushy, 30c; 1½ to 2 ft., 40c.

Arguta multiflora. (B.) Dwarf, drooping habit; flowers pure white, commencing to bloom in June; fine foliage. 2½ to 3 ft., 45c; 4 ft. specimens, 75c to \$1.00.

Billardii. (B.) Pink flowers; blooms nearly all summer. It is a grand subject for planting in masses, and makes a good cut flower. 1½ to 2 ft., each, 20c; per 100, \$10.00; 3 to 4 ft., each, 30c; per 100, \$20.00; 4 to 5 ft., each, 45c; per 100, \$25.00; 5 to 6 ft. specimens, 75c.

Bumalda. (B.) Light rose flowers. 1 ft. bushy, 30c.

Callosa alba. (C.) Dwarf white Spiraea of bushy, symmetrical form. Keeps in flower all summer. A valuable small shrub. 2 ft., 40c.

Callosa Froebeli Variegata. A variegated leaved, free-flowering variety, flowers rose. 2 ft., 40c; 3 to 4 ft., 60c; 4 ft. specimens, 75c.

Callosa Rubra. Flowers deep rose. 2 ft., 40c; 3 to 4 ft. bushy, 60c.

Opulifolia. (Nine Bark.) (B.) A strong growing shrub with white flowers. 3 to 4 ft., 45c.

Opulifolia aurea. (B.) (Golden-leaved Nine Bark.) An interesting variety, with golden-yellow tinted foliage, and white flowers in June. Very conspicuous. 2½ to 3 ft., 35c; 3 to 4 ft., 45c; 6 to 7 ft. specimens, 75c to \$1.00.

Reevesii or Lanceolata. (Lance-leaved Spiraea.) A charming shrub with narrow, pointed leaves, and large, round clusters of white flowers that cover the whole plant, and render it exceedingly effective. Blooms in June. 3 to 4 ft., 50c.

Sorbifolia. (B.) A vigorous species, with leaves like those of the Mountain Ash, and long, elegant spikes of white flowers in July. 3 to 3½ ft., 50c.

Thunbergii. (B.) One of the first bloomers; pure white flowers. 1 to 1½ ft., 30c; 2 to 3 ft., 45c.

Van Houttei (Bridal Wreath). (B.) A splendid garden shrub, entirely hardy, and the most beautiful of all; immense bloomer; pure snow-white flowers. 1 to 1½ ft., each, 20c; per 100, \$10.00; 2 to 3 ft., each, 25c; per 100, \$15.00; 3 ft. bushy, each, 40c; per 100, \$25.00; 3 to 4 ft. bushy, each, 50c; per 100, \$30.00; 5 ft., extra bushy, 60c.

STEPHANANDRA FLEXUOSA (C)

A very hardy shrub, resembling the Spiraea; flowers white; blooms in July and August. One of the most desirable of the dwarf shrubs, with branches and leaves from the ground; neat and ornamental hedge plant. 1½ to 2 ft., 45c.



TAMARIX

SYMPHORICARPUS (Snowberry)

Small native shrubs much used in shaded places and in open masses. They grow well in almost any soil, are quite hardy and very ornamental, especially so when covered with berries in fall and winter. They grow 3 to 6 ft. in height, have small leaves and slender branches.

Heyeri. (B.) Handsome shrub; blooms freely when small; flowers pretty pink in July and August; berries white. 2 ft., each 25c; 2½ to 3 ft., each 40c; 3½ ft., each 65c.

Occidentalis. (B.) One of the prettiest of the Snowberries; growth strong and drooping; leaves large; flowers reddish white. 1½ to 2 ft., each 30c; per 100, \$20.00; 3 to 4 ft., each 50c.

Racemosus. (B.) (Snowberry.) July and August. Small red flowers, succeeded by abundant white berries. 2 to 3 ft., each 30c; per 100, \$20.00.

Vulgaris. (B.) (Indian Currant.) A shrub of very pretty habit. Foliage, flowers and fruit small; fruit purple, hangs all winter. 2½ to 3 ft., each 30c; per 100, \$20.00; 3 ft. bushy, each 40c; 3 to 4 ft. specimens, each 60c; per 100 \$40.00.

Vulgaris Foliis Variegatus. (C.) Same as the Vulgaris, except the foliage, which is green and white; ornamental shrub. 2½ to 3 ft., each 40c; per 100, \$25.00; 3 to 4 ft. specimens, each 60c; per 100, \$40.00.

TAMARIX (B)

Shrubs of strong but slender, upright growth; clothed in foliage as light and feathery as that of the asparagus. Their delicate fringed flowers are usually some warm shade of pink or red and so are very ornamental at the back of shrubby borders and valuable for seaside planting.

Africana. Handsome foliage; pink flowers; blooms in May. 3 to 4 ft., each 35c.

Amurense. A splendid new hardy variety, with silky pink tassels; flowers all summer. 3 to 4 ft., each 40c; 4 to 5 ft., each 50c; 6 to 7 ft., each 75c to \$1.00.

Hispida Aestivalis. A new variety of vigorous growth. In May the branches are covered half their length with numerous bright carmine-pink flowers. Blooms for a long time. Awarded first prize at the Paris International Exposition in 1900. 2 to 3 ft., each 45c; 3 to 4 ft., each 60c.

Vaughan's Selection of Shrubs
for Hedges

Bush Honeysuckle, Hydrangea Paniculata Grandiflora, Japan Barberry, Japan Quince, Lilacs, Privet Itoya, Rhamnus Catharticus, Ribes Alpinum, Rosa Rugosa, Spiraea Anthony Waterer, Spiraea Bumalda, Spiraea Van Houttei.

Regarding Prices

For 3 and a dozen of a kind, see page 36.



SNOWBALL



HIGH BUSH CRANBERRY

TAMARIX—Continued

Indica. Handsome shrub, with fine foliage, like that of the Juniper. Valuable for planting in sand and soil that few plants will do well in; small pink flowers. 3 to 4 ft., each 35c; 4 to 6 ft. specimens, each 55c; 6 to 8 ft. specimens, each 75c to \$1.00.

Odessana. An improvement on Africana, having longer racemes of flowers. 2 to 3 ft., each 35c.

VIBURNUM

The Viburnums are one of the most useful shrubs, being very hardy and of good habit. They all have white flowers mostly on flat heads and with a few exceptions are noted for their handsome clusters of berries.

Acerifolium. (C.) (Maple Leaved Viburnum.) A low-growing shrub, white flowers in May, followed by black berries in the fall. Suitable for shade. 2 to 2½ ft., each 45c.

Dentatum. (B.) May and June. A free-flowering shrub, especially admired for the abundance of its scarlet fruits that cling to the branches a long time. 3 to 4 ft. bushy, each 60c.

Lantana. (A.) (Early White Lantana-leaved Viburnum.) Large, robust shrub, with soft, heavy leaves, and large clusters of white flowers in May, succeeded with red fruit; retains its foliage very late. 2 to 3 ft., each 35c; 3 to 4 ft., each 50c.

Molle. A variety similar to V. Dentatum, but differing from that variety by having larger foliage, is a more robust grower and flowers two to three weeks later. 2 ft., 25c; 3 to 4 ft. specimens, each, 75c.

Opulus. (A.) (High-Bush Cranberry.) May. Spreading habit. Single white flowers borne in flat, imperfect clusters followed by clusters of red berries that cling to the leafless branches all winter. 2 to 3 ft., each 45c; 3 to 4 ft., each 50c; 5 ft. specimens, each 75c to \$1.00.

Plicatum. (Japanese Snowball.) This Japanese variety of the old-fashioned Snowball is one of the most valuable of our hardy shrubs. It forms an erect, compact bush, 6 to 8 ft. high. It blossoms in early June, when the plant is completely covered from the ground to the top of the branches with large balls of flowers as white as snow. 2 to 3 ft., 35c; 3 to 4 ft., 50c; 4 to 5 ft., 60c.

Sterilis. (Old Fashioned Snowball.) Too well known to require any description. 1½ to 2 ft., each 25c; per 100, \$16.00; 2 to 3 ft., each 40c; per 100, \$25.00; 3 to 4 ft., each 50c; per 100, \$35.00; 4 ft. specimens, 75c and \$1.00; tree form 3 to 4 ft., 75c to \$1.00.

Tomentosum. (B.) (The single form of the beautiful Japan Snowball.) Flowers pure white, in great profusion early in June. Perfectly hardy; vigorous and free-blooming; very desirable. 2 to 3 ft., 50c; 3 ft. specimens, 60c.

WEIGELIAS (Diervilla) (B)

These shrubs bloom after the lilacs, in June and July. They make a strong growth, erect when young, gradually spreading and drooping into most graceful shape with age. Their large flowers are of wide trumpet-shape, colors from white to red, and borne in clusters thickly along the branches.

Amabilis. Of robust habit. Large foliage and pink flowers. Blooms freely in the autumn. Distinct and beautiful. 2 to 3 ft., 35c.

Amabilis Alba. White form of the above. 2 to 3 ft., 35c.

Candida. White flowering Weigelia, flowering throughout the summer. 1½ to 2 ft., 25c; 2 to 3 ft., 35c.

Eva Rathke. A charming new Weigelia. Flowers brilliant crimson; flowering throughout the summer. The best of all Weigelias. 2 to 3 ft., 40c; 3 to 4 ft., 50c.

Floribunda. Fine variety, flowers dark red. A profuse bloomer, 2 to 3 ft., 35c; 3 to 4 ft., 50c.

Nana Variegata. (C.) One of the most conspicuous shrubs; leaves beautifully margined, creamy white; flowers pink. A dwarf grower and admirably adapted to small lawns or gardens. 1 to 2 ft., 30c.

Rosea. A beautiful shrub, with rose-colored flowers in May and June. 2 to 3 ft., 40c; 3 to 4 ft., 50c.

Sessilifolia. A native shrub, 3 to 4 ft. high, of somewhat spreading growth bearing terminal, loose heads of yellow flowers in July, continuing for some weeks. 1 to 2 ft., 25c; 2 to 3 ft., 35c; 3 ft. specimens, 50c.

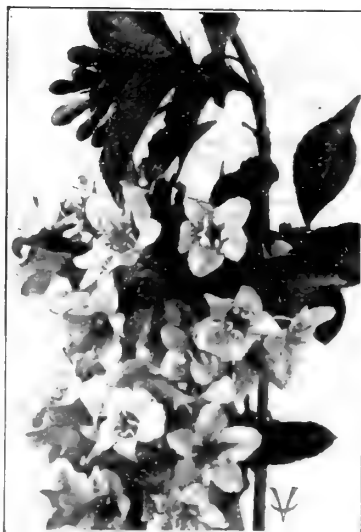
WILLOW (See Salix)

XANTHOCERAS SORBIFOLIA (A)

A rare shrub with stout, upright branches, pinnate foliage and slender panicles of white flowers that are blotched with yellow and red. Valued for solitary planting. 1 to 1½ ft., 35c; 1½ to 2 ft., 50c.



SNOWBERRY



WEIGELIA

Hardy Coniferous Evergreens

Evergreens include some of the most beautiful trees in cultivation and varieties may be selected which are adapted to almost any soil or climate. We are giving attention to the propagation and culture of perfectly hardy species and varieties which are the most useful to the general planter and the list offered below comprises those most in demand as individual specimens and for windbreaks. As individual specimens for lawn planting it is difficult to imagine anything more stately and beautiful. As screens against objectionable objects and for windbreaks and hedges nothing is to be had which will give as thick and dense a foliage during the entire season. They are especially beautiful while all other ornamentals are bare during our desolate winters. A remarkable contrast may be had by planting in informal masses to form a background for the showy flowers of spring blooming shrubs. Even the beauty of the twigs and branches of small trees and bushes is enhanced by such a planting.

All of our Evergreens are transplanted every two years and to insure against loss in handling each will be lifted with a ball of earth and the roots wrapped in burlap.

To be successful, transplanting should be done at a time when the trees are dormant. This permits of planting during September or in the early Spring.



KOSTER'S BLUE SPRUCE

ABIES—Firs

- A. Balsamea.** (Balsam Fir.) A very erect, pyramidal tree, with dark green foliage; very hardy. 3 to 4 ft., **\$2.25 each.**
- A. Concolor.** (Silver Fir of Colorado.) A Rocky Mountain variety of evergreen without a peer in its native haunts. Its graceful arrangement of branches, covered with a richly colored foliage of bluish tint above, and silvery gray below makes it a beautiful specimen for lawn planting. 3½ to 4 ft., **\$4.00 each.**

JUNIPERUS—Junipers and Cedars

- J. Pfitzeriana.** One of the best Juniperus. Makes rapid growth. Boughs are of a thick, rich green and inclined to droop, making it one of the most desirable as a specimen plant or excellent for rocky gardens where perpetual green is desired. It attains a height of about 12 ft. 2 to 2½ ft., **\$2.50**; 3 ft. high by 3 ft. in diameter, **\$5.00 each.**
- Sabina** (Cedar or Savin.) A dwarf spreading evergreen with trailing branches suitable for rock work. 1 ft., **75c each**; 3½ ft., extra fine specimens, **\$2.50 each.**
- J. Sabina Tamariscifolia Gracilis.** A good hardy variety of a trailing and spreading nature, with rich, thick green foliage, growing to the height of about 5 ft. Owing to its wide spreading qualities it is fine as a single specimen and excels as a border for plantings of taller evergreens. 1 ft. high by 1 ft. in diameter, **\$1.50 each.**
- J. Virginiana Glauca** (Blue Virginia Cedar.) A vigorous growing variety with foliage of silvery tinge, compact and conical in form. Makes a fine tree. 2 ft., **\$1.00 each**; 3 ft., **\$2.50 each.**

PICEA—Spruce

- Evergreen trees of pyramidal growth, very hardy and especially suited to Middle, Western and Northern States.
- P. Excelsa** (Norway Spruce.) A tall and beautiful tree, most widely grown of all the spruces, equally adaptable to planting as specimens on lawns, for shelter or windbreak. 2 to 2½ ft., **50c each**; per 100, **\$35.00.**
- P. Excelsa Nigra.** (Black American Spruce.) A small or medium size tree, a native of Northern America, of great hardiness and particularly useful for planting in the northern states. 12 to 15 in., **each 40c.**
- P. Pungens Glauca Kosteriana.** (Koster's Blue Spruce.) Notable variety from the Rocky Mountains and the most valuable conifer for ornamental planting. A rapid vigorous grower, with stiff, close branches and brilliant, rich silvery blue foliage. Perfectly hardy under all conditions. More in demand at the present time than any other conifer. The stock we offer is the "Compacta" type, which is far more regular, compact and dense than the ordinary Koster Spruce, besides being of the deepest steel-blue. Beware of seedlings offered at low prices; these are not as blue in color nor as symmetrical and regular in shape. Well-shaped trees, especially selected from our large stock.

The variation in these prices is due to the great variation in the individual specimens as to color, shape, symmetry and general appearance.

	Each		Each
18 in.....	\$ 2.50 to \$ 3.00	4 ft.....	\$ 8.00 to \$ 9.00
2 ft.....	4.00 to 5.00	5 ft.....	10.00 to 12.00
2½ ft.....	5.00 to 6.00	5 to 6 ft.....	12.00 to 18.00
3 ft.....	6.00 to 7.00	6 to 7 ft.....	20.00 to 35.00

When you plan your Spring planting of Seeds, Bulbs, Plants, Shrubs, Fruits or Trees, see that you have the Spring 1913 edition of Vaughan's "Gardening Illustrated" to help you. 160 pages of valuable suggestions. Have it sent to you as soon as it is printed.

PINUS—Pines

- P. Austriaca.** (Austrian Pine.) A stately tree of pronounced type, growing regular shaped boughs, upward inclined, with rich foliage some 4 inches long and producing cones of a shiny brown color about 3 inches in length. It makes tall rapid growth and adapts itself well in many parts. Is splendid for shelter purposes or as specimens on lawns. 1½ ft. to 2 ft., **75c each.**
- P. Montana.** (Swiss Mountain Pine.) An attractive vigorous growing dwarf pine of dense bright green foliage, especially adapted for rock plantings in small gardens. 10 in. high by 14 in. diameter, **75c each**; 12 in. high by 18 in. diameter, **\$1.25 each.**
- P. Mugh.** (Dwarf Pine.) A low growing handsome evergreen with vivid colored leaves of a twisty nature and cones of a brown grayish tinge. Makes a choice shrub for covering rocky parts in gardens. 12 in. high by 18 in. diameter, **\$1.25 each**; 18 in. high by 24 in. diameter, **\$2.00 each.**
- P. Strobus.** (White Pine.) A very beautiful and graceful pine regular in form with horizontal boughs and dark green foliage, growing quite tall and surmounted by a symmetrically formed crown. 1 ft. to 1½ ft. **60c. each.**

THUYA—Arborvitae

- T. Occidentalis.** (American Arborvitae.) A very pretty shapely tree of pyramidal form. Is a native of America and grows easily, attaining a height of some 20 ft. The foliage is a fresh vivid green, mellowing to a softer shade on the under side of leaf, turning in winter to a bronze. It makes a valuable plant for winter decorations to be kept in vases or tubs. 1 ft. to 1½ ft., **35c each**; 2 ft. to 2½ ft., **60c each**; 3 ft., **75c each.**
- T. Orientalis.** (Oriental Arborvitae.) A low growing bushy tree of conical form. Foliage is bright green, turning in fall to a tinge of bronze. Is an excellent tub or vase plant for porch and is quite hardy. 1 ft. to 1½ ft., **35c each**; 2 ft. to 2½ ft., **60c each**; 3 ft., **75c each.**

Shrubs Valuable for their Ornamental Fruit Succeeding the Flowers

- Amelanchier Vulgaris.** Dark red fruit in July and August, sweet and juicy.
- Berberis in variety.** Scarlet and violet fruit in September and October.
- Cornus Alternifolia.** Blue fruit in August.
- Mas.** Red fruit, large and showy in August.
- Sericea.** Blue fruit in October.
- Eleagnus Longipes.** Red fruit, larger than currants.
- Euonymus Alatus.** Red fruit, curious and attractive.
- Americanus.** Fruit warty, rose color, scarlet seed coats.
- Linearis.** Red fruit.
- Lonicera in variety.** Red and yellow fruit, showy.
- Mahonia.** Bluish berries in July.
- Malus Arbutifolia.** Bright red fruit, persisting until late winter.
- Othello Plum.** Purple fruit.
- Rhamnus Catharticus.** Black fruit.
- Rhodotypos.** Small black fruit.
- Sambucus in variety.** Purple and black fruit.
- Symphoricarpos Occidentalis.** White berries.
- Symphoricarpos Racemosus.** White berries.
- Vulgaris.** Red berries.
- Viburnum Acerifolium.** Black fruit.
- Cassinoides.** Black fruit.
- Dentatum.** Scarlet fruit.
- Lantana.** Red fruit.
- Opulus.** Red fruit in clusters, very ornamental.

Shrubs Suitable for Planting in Shady Situations

- Artemisia Abrotanum.**
- Berberis in variety.**
- Ceanothus Americana.**
- Clethra Alnifolia.**
- Cornus Alternifolia.**
- Stolonifera aurea.**
- Deutzia Gracilis.**
- Lemoinei.**
- Scabra.**
- Forsythia Viridissima.**
- Hydrangea Arborescens** snowball.
- Ligustrum Regelianum.**
- Mahonia Aquifolia.**
- Ptelea Trifoliata.**
- Philadelphus Coronarius.**
- Grandiflorus.**
- Ribes Alpinum.**
- Symphoricarpos in Variety.**
- Viburnum Cassinoides.**
- Dentatum.**
- Tomentosum.**

SHADE AND ORNAMENTAL TREES



AMERICAN ELM

REGARDING PRICES

Where the price for each is—

\$0.30, we supply	3 for	\$0.80, 12 for	\$2.85
.35, we supply	3 for	1.00, 12 for	3.75
.40, we supply	3 for	1.10, 12 for	4.25
.45, we supply	3 for	1.20, 12 for	4.60
.50, we supply	3 for	1.35, 12 for	5.25
.55, we supply	3 for	1.45, 12 for	5.75
.60, we supply	3 for	1.70, 12 for	6.50
.65, we supply	3 for	1.80, 12 for	7.00
.70, we supply	3 for	1.90, 12 for	7.25
.75, we supply	3 for	2.10, 12 for	8.00
.80, we supply	3 for	2.20, 12 for	8.50
.85, we supply	3 for	2.35, 12 for	9.00
.90, we supply	3 for	2.50, 12 for	9.50
.95, we supply	3 for	2.65, 12 for	9.75
1.00, we supply	3 for	2.75, 12 for	10.00

We invite a visit to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of specimens such as are not usually seen. Our nursery is located at Western Springs (15 miles west of Chicago on the C. B. & Q. R. R.), two blocks south of 47th Street, the continuation of East Boulevard.

Where personal selection of any stock is made by customers at our nursery, we always charge according to its value.



WEIR'S CUT-LEAVED MAPLE

ALDER (*Alnus*)

A. Glutinosa. European or Common Alder. A remarkably rapid-growing tree, attaining a height of from thirty to sixty feet. Foliage roundish, wedge-shaped and wavy. This species is especially adapted to moist situations. 7 to 9 ft., 75c.

ASH (*Fraxinus*)

F. Americana. American White Ash. A fine tree that produces large clusters of greenish white flowers on the ends of the branches in June. 8 to 10 ft., each 50c; per 100, \$35.00; 10 to 12 ft., each 75c; per 100, \$50.00; 12 ft. 2 in. caliper, \$1.50; 12 ft. 2 to 3 in. caliper, \$2.50 to \$3.00.

F. Excelsior. European Ash. A lofty tree, of rapid growth, with spreading head and gray bark, pinnate leaves and black buds. 8 to 10 ft., each 50c; per 100, \$35.00; 10 to 12 ft., 75c. 10 to 12 in. caliper, \$1.50 to \$2.00.

F. Excelsior Pendula. (European Weeping Ash.) With 8 ft. clear stem, 4-year old heads, 2 to 3 in. caliper, \$4.00 to \$6.00.

F. Viridis. (Green Ash.) 6 to 8 ft., each 50c; per 100, \$35.00; 8 to 10 ft., each 60c; per 100, \$55.00. 10 to 12 ft., 2 in. caliper, \$1.25.

BIRCH (*Betula*)

B. Lenta. (Sweet Bark or Cherry Birch.) A native tree with dark brown bark and bronze-reddish twigs. Leaves somewhat heart-shaped. Thrives in low as well as high ground. 8 to 10 ft., \$1.50 to \$2.00.

BOX ELDER (Ash-Leaved Maple)

Of quick growth and irregular, spreading form. 6 to 8 ft., \$1.00 to \$1.25.

CATALPA

C. Bungei. Grafted tops on straight stems, forming a pretty dome-shaped head of great soft, heavy leaves. 2-year heads, \$1.50; 5-year heads, \$8.00 to \$10.00.

C. Kaempferi. (Japan Catalpa.) A species of rapid growth, with deep green, glossy foliage. Flowers fragrant, cream-colored, speckled with purple and yellow; seed pods long and very narrow; two weeks later than syringaefolia. 7 to 8 ft., 75c; 8 to 10 ft., \$1.00.

C. Speciosa. White flowers, edged with violet and dotted with purple and yellow. 8 to 12 ft., 75c; 10 to 12 ft., 2 to 2½ in. caliper, \$1.75 to \$2.50.

C. Syringaefolia. (Common Catalpa.) Native of the Southern States. A showy, rapid-growing, spreading, irregular tree, with very large, heart-shaped leaves, and pyramidal clusters, a foot long, of white and purple fragrant flowers. 7 to 8 ft., 75c.

CRAB (*Malus*)

M. Floribunda. Single flower; beautiful carmine in bud; white when open. May. Fruit very ornamental in autumn. 4 ft., 75c to \$1.00; 7 to 8 ft., extra strong, \$3.00.

M. Floribunda Atrosanguinea. Flowers crimson, produced in great profusion. A charming variety. May 4 ft., 75c to \$1.00; 7 to 8 ft., extra strong, \$3.00.

M. Scheideckeri. A fine variety recently introduced from Germany. Flowers quite double, red in bud, changing to pink or rose color. 7 to 8 ft., \$3.00.

Crab Apple. Bechtel's Double. (See page 37.)

ELM (*Ulmus*)

American. The ideal street tree. We offer fine shapely trees. 6 to 9 ft., each 75 cents; 100, \$60.00; 7 to 9 ft., 1½ in. caliper, \$2.00; 7 to 9 ft., 2 in. caliper, \$2.50; 10 to 12 ft., 2½ in. caliper, \$3.00; 10 to 12 ft., 3 in. caliper, \$5.00; 10 to 12 ft., 4 in. caliper, \$7.00, \$8.00, \$10.00 and \$12.00.

Campestris. (English Elm.) A great shade or lawn tree, with deep rich green leaves. 5 to 7 ft. pyramids, 75c.

Campestris Dampieri. 6 to 8 ft. pyramids, \$1.25.

Campestris Monumentalis. A slow growing variety, forms a straight dense column, reminding one of a Lombardy Poplar. Very distinct and beautiful. 10 to 12 ft., \$3.50.

Campestris Latifolius. A fine spreading tree of large growth. The foliage remains green several weeks longer than that of the American Elm. 8 to 10 ft., 1½ in. caliper, \$2.00. 2 in. caliper, \$2.50 to \$3.00.

Horizontalis. Similar to the Camperdown Elm, but the branches grow straight out from the main stem (hence the name), instead of growing down. 8 ft. clear stem, 4-year heads, \$6.00.

Montana var. Camperdown Pendula. (Camperdown Weeping Elm.) Grafted 5 to 6 ft. high, this forms one of the most picturesque drooping trees. It is of rank growth, the shoots often making a zigzag growth outward and downward of several feet in a single season. Leaves large, dark green and glossy. 5 ft., \$2.00; 8 ft. clear stems, \$4.50 to \$6.00.

Purpurea. (Purple leaved.) A variety with large purple leaves, in the spring, changing to dark green as season advances. 8 to 10 ft., 2 to 2½ in. caliper, \$3.50.

GINGKO BILOBA (*Maidenhair Tree*)

A remarkable tree from Japan, with beautiful fern-like foliage. Rare and elegant. 5 ft. \$2.00; 8 to 10 ft., 2 to 2½ in. caliper, \$5.00.

JUDAS TREE (*Red Bud*)

It blooms in early spring. Its masses of small delicate rosy red flowers wreath the leafless branches so quickly as to give very fine contrasts and cheery spring effect. 5 to 6 ft., \$1.00.

LINDEN (*Tilia*)

T. Americana. American Linden. A fast-growing, upright, close-headed native tree with large leaves and fragrant flowers. Grows well in light soil. 8 ft., 1½ in. caliper, \$1.50; 8 to 10 ft., 2½ to 3 in. caliper, \$3.00 to \$4.00.

Alba Pendula. (White Leaved Weeping Linden.) A beautiful tree with large foliage and slender drooping branches. One of the finest of the Lindens. 10 ft., \$4.00.

T. Dasystilia. Leaves are a dark, glossy green on upper side. A superb tree. One of the finest Lindens. 6 to 8 ft., 1½ in. caliper, \$1.75.

T. Europaea (European Linden). A very fine pyramidal tree, with large leaves and fragrant flowers. 8 ft., 1½ in. caliper, \$1.75.

LOCUST (*Robinia*)

Pseud-acacia. (Black or Yellow Locust.) A native tree and valuable for its timber as well as ornamental. It is well known for its beauty when loaded with its racemes of creamy flowers in spring. 4 to 5 ft., 35c. 6 to 7 ft., 60c; 7 to 9 ft., 75c.

MAPLE (*Acer*)

Dasycarpum. (Silver Maple.) A fast grower, makes a dense shade and thrives in any kind of soil. We offer fine, straight, clear trees with high tops for street planting. 10 to 12 ft., \$1.25.

Dasycarpum var. Wierii. (Weir's Cut-Leaved Silver Maple.) Partly drooping habit and finely divided leaves, it is a rapid grower and is an excellent lawn tree. 7 to 9 ft., \$1.25.

Platanoides. (Norway Maple.) Handsome round-headed tree. Excellent for lawns where a spreading tree is wanted. 10 to 12 ft., \$2.25 to \$2.75; 8 to 10 ft., 1½ to 2 in. caliper, \$3.00 to \$3.50.

Schwedleri. (Purple Norway Maple.) Foliage bright crimson in early spring, changing to purplish green in the fall. 10 ft., \$2.50 to \$3.00; 7 to 8 ft., 1½ to 2 in. caliper, \$3.00 to \$3.50.

MOUNTAIN ASH (*Sorbus*)

European Mountain Ash. A small, pretty tree with pinnate leaves, laden until winter with large clusters of red berries. Examine for borers in spring and autumn. 5 to 7 ft. 50c; 7 to 9 ft. \$1.00 and \$1.25.

Golden-Leaved Mountain Ash. A handsome variety, foliage bright yellow. Very effective. 7 to 8 ft., 75c; 10 to 12 ft., 2½ to 3 in. caliper, \$4.00 to \$6.00.

Silver-Leaved. A beautiful variety. 5 to 6 ft., \$1.25.

Weeping European Mountain Ash. A beautiful variety of rapid growth and decidedly pendulous and trailing habit. 6 ft., \$1.25.

MULBERRY (*Morus*)

M. Tartarica. Russian. Very hardy, vigorous grower, fruit of small size, varies in color from white to black. 6 to 8 ft., \$1.00.

PLANE (*Platanus*)

P. Occidentalis. A favorite for avenues, as it forms a largespread tree. Recommended when a fast-growing tree is wanted. 6 to 8 ft., 75c; 8 to 9 ft., \$1.00.

POPLAR

As a class the Poplars grow fast, cost little and are quickly effective.

Asiatic Poplar. A rapid-growing tree of pyramidal habit; leaves medium to large, cordate, light green, changing to dark green. 6 to 7 ft., 60c; 8 to 9 ft., 75c.

Bolleana. (B.) A very compact upright grower, resembling the Lombardy Poplar, with leaves glossy green above and silvery beneath. 6 to 8 ft., \$1.25.

Carolina Poplar. Of rapid growth. Very desirable when quick shade is wanted. 6 to 8 ft., 40c; 10 to 12 ft., 1½ in. caliper, \$1.00; 12 to 14 ft., 2 to 2½ in. caliper, \$1.50; 12 to 14 ft., 2½ to 3 in. caliper, \$2.50 and \$3.00.

Lombardy Poplar. Of upright compact habit, very distinct. 6 to 8 ft., 35c; 8 to 10 ft., each 50c; per 100, \$35.00.

Van Geert's Golden Poplar. Has fine golden yellow foliage. 8 to 10 ft., \$1.00.

THORN APPLE (*Crataegus Carrieri*)

Thorn Apple. (*Crataegus Carrieri*.) Foliage dark, glossy green; fruit large, dark red, showy, and remains on the tree long into the winter. 10 ft., 2 in. caliper, \$3.50 and \$4.00.

WALNUT (*Juglans*)

J. Japonica. (Japan Walnut.) Hardy, rapid grower, bears young and abundantly; worthy of extensive planting. 3 to 4 ft., 65c; 5 to 6 ft., \$1.00.

PLANTING SUGGESTIONS FOR A CITY LOT

BEAUTIFY YOUR HOME

It is now a recognized fact that a dwelling to be a real home must be attractive outside as well as in. It is a part of our business to help people secure that "homey" attractiveness gained by the proper planting about the house and supplying the proper selection of trees, shrubs and perennial flowers, for many an otherwise attractive house falls short of its full possibilities of beauty and comfort, simply because those trees, shrubs and plants used about the grounds were not arranged so as to display the buildings to the best advantage. This is particularly true of the city residence which lacks the natural beauty of the country and is handicapped by buildings of various sorts thrust up against it.

We want to help bring to that kind of a city home the charm of a country place by hiding those eye-sores with suitable vines and trees and by introducing those hardy flowering plants so beautiful in their flowering season, and so common to old country gardens. We know what is best adapted to special conditions so let us advise you, for far too often planting is spasmodic and thought is not applied as to the after appearance so that the result is at least not beautiful.

In order to illustrate what may be done, Mr. Prost, the City Forester of Chicago, prepared the accompanying sketch which will show the charm of a properly planted city lot, just the right selection being made to give the most pleasing effect during a long season, flowers during the summer, and foliage and bark effects during the winter. Notice how we have obscured the unsightly alley, and enhanced the appearance of the back yard by this planting which leaves so much of the lawn open.

Everything used is perfectly hardy as far north as St. Paul almost without protection and we cannot urge this kind of a planting too strongly. Annuals may be added to suit.

The cost of such a plan is well within the reach of the average man—160 shrubs, 197 perennials and 2 vines as listed below for the sum of \$60.00, trees and tulips not included.

You can, at a moderate cost, derive much pleasure and profitable experience by doing the planting yourself. The instructions for planting are simple and fully explained in the little pamphlet we will furnish free with such an order. Get your order in at once.

PLANTING LIST

Shrubs

- | | |
|---|---|
| A | 18 Privet Ibota, 2-3 ft. |
| B | 13 Rosa Rugosa, red; 2 yr. |
| C | 25 Spiraea Van Houttei (Bridal Wreath); 3 ft. |
| D | 18 Philadelphus Grandiflorus (Mock Orange); 3 ft. |
| E | 8 Persian Lilac, 2-3 ft. |
| F | 3 Rose of Sharon (Althea), 3-4 ft. (Plant in spring). |
| G | 8 Eleagnus Angustifolia (Russian Olive), 4-5 ft. |
| H | 6 Indian Currant (Symphoricarpus Vulgaris), 2-3 ft. |
| I | 7 High Bush Cranberry, 2-3 ft. |
| J | 7 Ribes Aureum (Missouri Currant), 3-4 ft. |
| K | 5 Forsythia Intermedia (Golden Bell), 2-3 ft. |
| L | 14 Rhus Glabra (Smooth Sumach), 3-4 ft. |
| M | 14 Cornus Siberica (Red-branched Dogwood), 3-4 ft. |
| N | 8 Elder Cut-leaved, 3-4 ft. |
| O | 6 Berberis Thunbergii (Japanese Barberry), 2 ft. |

Hardy Perennials

- | | | | |
|-----|------------------------------------|-----|--------------------------------|
| No. | | No. | |
| 1 | 12 Golden Glow. | 13 | 10 Coreopsis. |
| 2 | 20 Pyrethrum Uliginosum. | 18 | 14 Lily of the Valley, clumps. |
| 3 | 5 Boltonia Asteroides. | 22 | 14 Hardy Aster. |
| 6 | 5 Peonies, dble., assorted colors. | 23 | 10 Helianthus. |
| 7 | 12 Phlox, assorted. | 24 | 15 Shasta Daisy. |
| 8 | 36 German Iris, assorted. | 25 | 12 Campanula. |
| 10 | 10 Oriental Poppy, assorted. | 26 | 20 Tulips, later Salvia. |
| 12 | 12 Hollyhock, double and single. | 29 | 10 Anemone Japonica. |

*Not included in estimate.

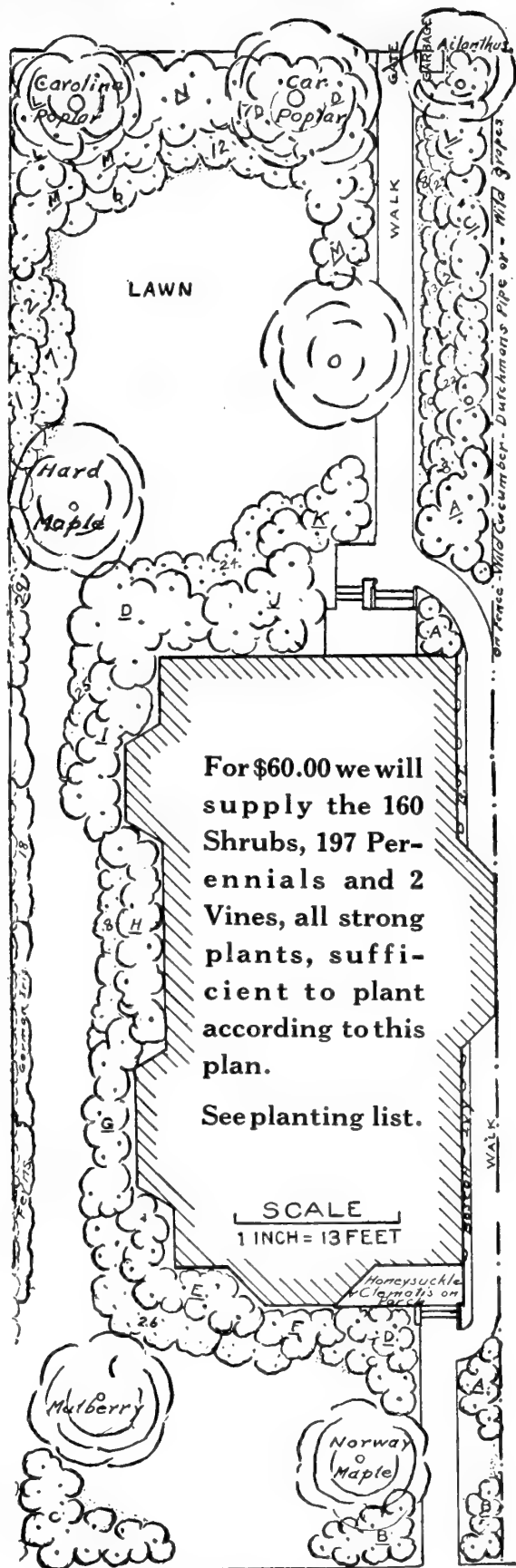
Vines

- | | |
|-------------------------------|------------------------|
| 1 Honeysuckle Halleana, 2 yr. | 1 Clematis Paniculata. |
|-------------------------------|------------------------|

THE "ORNAMENTAL" SHRUB COLLECTION

To encourage the planting of shrubs we will furnish one 2 to 3 ft. bush of each of the following 10 hardy varieties by express at your expense for \$2.75. Bushy plants with good fibrous roots.

- | | | | |
|-------|--|-------|------------------------|
| No. 1 | Berberis Thunbergii (Japanese Barberry). | No. 6 | Persian Li'ac. |
| " 2 | Cornus Siberica (Red barked Dogwood). | " 7 | Tartarian Honeysuckle. |
| " 3 | Cydonia Japonica (Japan Quince). | " 8 | Hydrangea Paniculata. |
| " 4 | Forsythia (Golden Bell). | " 9 | Bridal Wreath Spiraea. |
| " 5 | Philadelphus (Mock Orange). | " 10 | Weigelia Rosea. |



This plan is for a lot 40 ft. by 125 ft.



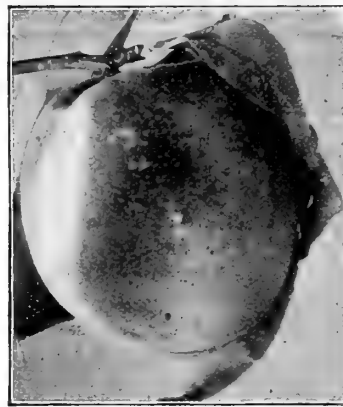
APPLE, YELLOW TRANSPARENT
QUANTITY PRICES

Where price per tree is	We supply 3 for	Per dozen
\$0.35	\$1.00	\$ 3.75
.40	1.10	4.25
.45	1.20	4.60
.50	1.35	5.25
.60	1.70	6.50
.75	2.10	8.00
1.00	2.75	10.00
1.25	3.25	12.00

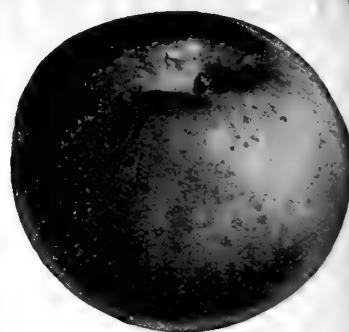
Prices do not include prepayment.



PEAR, KIEFFER



PEACH, ELBERTA



APPLE, BALDWIN

✓ Certificate of Inspection, showing freedom of our stock from San Jose and other injurious insects and diseases, will be attached to all freight and express shipments.

VAUGHAN'S CHOICE FRUIT TREES

When personal selection of stock is made by customers at our Nurseries, we always charge according to its value.

ABOUT PRUNING

It is very important that the root system and amount of branches balance. No matter how carefully the trees may be dug a portion of the roots are broken or cut off and the balance that existed is deranged. It is therefore necessary that the branches be pruned. Many people are not aware of this and will plant exactly as received from the nursery. A more fatal error could not be made. Prune the branches of fruit trees 5 to 7 ft. in height with 3 to 5 ft. clear stem back to within 3 to 4 buds of their base. Cut back all broken or bruised roots smoothly to sound wood.

We shall be glad to prune fruit and other trees ready for planting if requested. In that case, however, our customers cannot expect to receive trees that answer our specifications as to height for the catalogue sizes are for trees unpruned. All specimen fruit trees will be pruned before shipping unless our customer expressly states that he does not wish this done.

SUITABLE DISTANCES FOR PLANTING

	Feet apart each way
Apples, Standard.....	30 to 40
Pears and Cherries.....	20
Plums.....	16 to 20
Peaches.....	16 to 18
Quinces.....	10 to 12
Currants, Gooseberries and Raspberries.....	3 to 4
Blackberries.....	3 by 7
Grapes.....	8 to 10
Strawberries.....	1 by 3

SPRAYING

Climatic and other conditions vary so greatly for different localities that we strongly advise our customers to obtain data on what, how and when to spray, and materials to use direct from their own State Experiment Station. All of them publish, for free distribution, complete bulletins on this subject and can supply the most reliable and definite information.

APPLE TREES

Baldwin. Large, bright red, crisp, juicy, and rich. Tree vigorous, upright and productive. One of the most popular and profitable sorts for either table or market. December to March. 5 ft. 50c; 7 to 8 ft., 75c; 8 to 9 ft., extra strong, \$1.50 to \$2.00.

Ben Davis. Large, handsome shaped, valuable winter apple.

5 ft., 50c; 7 to 8 ft., 75c; 8 to 9 ft., extra strong, \$1.50 to \$2.00.

Bismarck. Dwarf growing, early bearing, 3-year-old fruit trees, grafted on Paradise, 3 ft., 40c; 5 ft., 50c.

Duchess of Oldenburg. Yellow and red, juicy. Autumn. 5 to 6 ft., 50c; 6 to 7 ft., 60c; 6 to 7 ft., extra heavy, \$1.00; 8 to 10 ft., \$1.50 to \$2.00.

Grimes Golden. Good size, yellow; of highest quality. Very productive. September. 5 ft., 40c; 5 to 6 ft., 50c; 7 to 8 ft., heavy, \$1.00 to \$1.50.

Jonathan. Medium, red; extra quality. Winter. 4 to 5 ft., 40c; 5 to 6 ft., 50c.

Maiden's Blush. Pale yellow with red cheeks; flavor tender and pleasant; a free grower and good bearer. Valuable market sort. September and October. 5 to 6 ft., 50c; 6 to 7 ft., selected, 75c; 8 to 10 ft., extra heavy, \$1.50 to \$2.00.

Northern Spy. Large, striped, sub-acid. Winter. 5 to 6 ft., 50c; 6 to 7 ft., select, 75c.

Northwestern Greening. Hardy, yellow, rich and good keeper. Winter. 5 to 7 ft., 50c; 5 to 7 ft., selected, 75c; 6 to 7 ft., \$1.00; 7 to 9 ft. specimens, \$1.50 and \$2.00.

Red Astrachan. Large beautiful deep crimson; one of the best summer apples. 5 to 6 ft., 50c; 6 to 7 ft., 75c; 7 to 9 ft. specimens, \$1.00 and \$1.50.

Salome. Medium and uniform size, good quality, long keeper. Winter.

6 ft., 50c; 7 to 8 ft., 75c; 8 to 9 ft. specimens, \$1.00 and \$1.50.

Snow. (Fameuse.) Deep crimson, medium, flesh white, of best quality.

4 ft., 60c.

Tolman Sweet. Medium, yellow and red, rich. Winter.

6 ft., 60c; 6 to 7 ft., 75c; 8 to 10 ft., extra strong, \$1.50 and \$2.00.

Walbridge. Handsome striped red, medium. Winter.

5 to 6 ft., 50c; 8 to 9 ft., extra strong, \$1.50 to \$2.00.

Wealthy. Large red, sub-acid, productive. Winter.

6 to 7 ft., 50c; 7 to 8 ft., extra strong, 75c; 8 ft. specimens, \$1.00 and \$1.50.

Wine-Sap. Large, deep red, a good keeper; quality medium, a moderate grower and good bearer. Succeeds well in the west. December to May.

5 to 6 ft., 60c; 6 to 8 ft., extra fine, \$1.00 and \$1.25.

Wolf River. Large yellow striped and shaded red, juicy. Winter. 5 ft., 45c; 5 to 6 ft., 60c; 7 to 9 ft., \$1.50 and \$2.00.

Yellow Transparent. Earliest and best, white, tender and juicy; sub-acid, late summer. 5 ft., 40c; 5 to 6 ft., 50c; 6 ft., selected, 75c; 7 ft., extra strong, \$1.25; 8 to 10 ft. specimens, \$1.75 to \$2.50.

CRAB APPLE TREES

Hyslop. Large, deep crimson; one of the most beautiful of Crabs. October 5 ft., 40c; 6 ft., 60c; 6 to 8 ft., extra strong, 75c; 8 to 10 ft. specimens, \$1.75 to \$2.25.

Siberian. Large, golden yellow; very popular. September. 5 to 6 ft., 45c; 6 to 7 ft., selected, 75c.

Transcendent. Immensely productive, bright red; one of the most popular. September and October. 6 to 7 ft., 75c; 8 to 10 ft. specimens, \$1.50 to \$2.00.

Whitney. One of the largest, glossy green splashed carmine. Firm, juicy, pleasant, great bearer. August. 6 ft., 60c; 7 to 10 ft. specimens, \$1.00 to \$1.25.

CHERRY TREES

Dyehouse. Very early and sure bearer; ripens a week before Early Richmond. June. 4 to 5 ft., 45c; 6 to 7 ft., 75c to \$1.00.

Early Richmond. Dark red, juicy, rich acid, good, hardy bearer. June.

4 to 5 ft., 45c; 5 to 6 ft., 75c; 6 to 8 ft. specimens, \$1.50.

Grafted on Morello. This stock is best for Chicago and vicinity. The trees bear more freely and earlier. 6 ft., \$1.25; 6 to 7 ft., strong, \$1.50; 6 to 7 ft., extra strong, select, \$2.00.

English Morello. Fair size, blackish red, rich acid, juicy, good. August. 4 to 5 ft., 50c; 5 to 6 ft., 75c.

Montmorency. Large red, acid, about 10 days later than Early Richmond. Very prolific and hardy. 4 to 5 ft., 45c; 5 to 6 ft., 75c.

Windsor. The fruit is very large, of dark liver color, good quality; very hardy; July. 4 to 5 ft., 50c.

Wragg. Dark purple, fine quality; medium. July. 4 to 5 ft., 50c.

PEACH TREES

We cannot recommend these for fall planting.

Varieties we can supply then are:

Champion, Crawford's Early, Crawford's Late, Elberta, Crosby, Wonderful.

(See 1912 Spring Catalog for description.)

PEAR TREES

Bartlett. The most popular summer pear; large fruit of musky melting flavor.

The tree is a vigorous grower, an early and abundant bearer. 4 to 5 ft., 50c.

Clapp's Favorite. Very large, yellow and dull red; very fine. August. 5 to 6 ft., 50c; 6 to 7 ft., 75c; 8 to 10 ft. specimens, \$1.50 to \$2.00.

Duchess. A fall pear, large fruit, rich and juicy. A popular market variety.

3 to 4 ft., 75c.

Flemish Beauty. Large, juicy, rich, one of the hardiest. Autumn. 4 to 5 ft., 45c; 5 to 6 ft., 70c.

Kieffer. Good for preserving and canning; extra large; good bearer. October. 5 to 6 ft., 40c; 6 to 7 ft., 60c; 7 to 9 ft., \$1.00.

Koonce. Thoroughly tested for several years. Has produced good crop when all other varieties were killed by frost. Fruit medium to large yellow with carmine cheek; quality good; ripens in time for the earliest market. 4 to 5 ft., 40c; 5 to 6 ft., 60c; 6 to 8 ft., 75c; 8 to 10 ft. specimens, \$1.00 to \$1.50.

Seckel. Small, yellowish brown, red cheek; best to eat out of hand and pickle. 4 to 5 ft., 50c; 5 to 6 ft., 75c; 6 to 7 ft., \$1.00.

PLUM TREES

Abundance. This is the plum for you, if you try but one. Lemon yellow

ground, nearly overspread with cherry; flesh yellow. 5 ft., 35c; 6 to 7 ft., 50c.

Burbank. The best and most profitable among growers for market. Tree hardy, sprawling, vigorous grower, unequalled in productiveness; bears young; fruit large, excellent quality, cherry red with lilac bloom. August. 5 ft., 35c; 6 to 7 ft., 50c.

De Soto. Very hardy, bright red. 5 to 6 ft., 40c; 6 to 7 ft., selected, 75c.

Wolf. Very popular, large, immensely productive. August. 5 ft., 35c; 5 to 7 ft., selected, 75c.

QUINCE

Meech. A vigorous grower and immensely productive. The fruit is large, lively orange yellow, of great beauty and delightful fragrance. Its cooking qualities are unsurpassed. 4 ft., 60c; 4 to 5 ft., specimens, \$1.00 to \$1.25.

ENGLISH POT GROWN FIGS, GRAPE-VINES, NECTARINES, PEACHES, AND OTHER FRUIT TREES

We import these on advance orders only from one of the best and most reliable growers in England. Prices on application.

CHOICE SELECTION OF SMALL FRUITS



POT-GROWN STRAWBERRY PLANT

VAUGHAN'S STRAWBERRY PLANTS—POT GROWN

These pot-grown plants will produce a moderate crop the first season, if planted before September 30.

Our list includes the best of the newest and standard varieties and our plants are not sent out until well rooted and established in the pots. We exercise the utmost care to have them true to name, and in packing them for shipment so as to insure their arrival in good condition.

Those marked (P.) have pistillate or imperfect flowers, and must be planted near perfect-flowering kinds in order that the flowers may fertilize. The varieties not so marked are bi-sexual, or perfect-flowering, and can be planted alone.

AUGUST LUTHER. We believe this to be the best early Strawberry grown. It is very prolific, comes early and continues to bear till practically every berry reaches a good size. Fruit is very uniform in size and shape.

BRANDYWINE. A superb variety of general adaptability and one of the most popular. The berries are large, roundish-conical, regular, bright glossy crimson, firm and of good flavor, vigorous and productive. For best results it should be grown on strong, rich soil. Midseason.

ENORMOUS (P.) A large glossy red berry, firm and of good quality. An excellent grower, very productive and reliable. Midseason.

Price, Pot Plants, except noted, 50c per doz.; \$2.00 for 50; \$3.50 per 100, by express only.

FALL BEARING STRAWBERRIES

By planting these new varieties one may now have Strawberries from early Spring to late Fall. Fall bearing Strawberries seem to be no longer an experiment for with the advent of Americus, Francis and Iowa Strawberries have been grown and marketed until snow was on the ground. These varieties bloom from May until Winter and under ordinary conditions will bear a scattering crop throughout the season, but if the blossoms are picked or pinched off up to within three weeks of the time when fruit is wanted the results will be satisfactory. To make provisions against an early fall it would be well to stop pinching about August 1st. Ripe fruit may then be expected by the last of August.

These varieties may be planted just like the June bearing varieties and given the same treatment except for the pinching.

BLACKBERRIES

Price, each 10c, per doz. 75c, per 100 \$3.00.

If to go by mail, add 10c per dozen, 35c per 100, for postage.

ELDORADO The vines are very vigorous and hardy, enduring the winters of the far northwest without injury, and their yield is enormous. Berries large, jet black.

SNYDER Extremely hardy, enormously productive, medium size, no hard, sour core; sweet and juicy.

STONE'S HARDY Best variety for the north; fruit rich and melting.

CURRANTS

Price (except where noted) 2-year, each 15c, 3 for 40c, doz. \$1.50.

If to go by mail, add 25c per doz. for postage on 2-year plants. 3-year plants should be expressed.

BAR-LE-DUC (White) This excellent Currant bears clusters which have from 12 to 14 large white berries, which are very sweet. The berries are whitish and not yellowish like other white currants. 2-year bushes, each 50c, doz. \$5.00.

BOSKOOP GIANT (Black) This famous new currant of strong growth and free bearing quality, is in great demand, being especially adapted for preserving. We offer strong plants, 2-year, each 20c, 3 for 55c, doz. \$2.00; 3-year, each 30c, 3 for 80c, doz. \$3.00.

FAY'S PROLIFIC (Red) The leading market variety.

LEE'S PROLIFIC (Black) One of the best for general use.

NORTH STAR (Red) It is bright in color and is the sweetest and best flavored currant known. It is an early and prolific bearer.

PERFECTION, NEW (Red) Very large. A cross of the famous Fay's Prolific and the white grape; originated by Mr. Chas. G. Hooker. A very productive variety with berries about as large as grapes, making it a valuable market sort. It is mild in flavor and free from sharpness. 2-year, each 35c, 3 for 90c, doz. \$3.50.

RED DUTCH The old well-known red currant.

WHITE DUTCH The well-known white currant.

RASPBERRIES

Price (except where noted) each 10c, doz. 75c, per 100 \$3.00.

If to go by mail, add 10c per doz., 50c per 100 for postage.

"THE HERBERT RASPBERRY." (New) A very strong grower, hardy and very productive. Fruit large to very large; conical, bright to rather deep red; moderately firm; sweet and sub-acid, juicy and of good flavor. The best Red Raspberry up to the present time. Per doz. \$1.25, 25 for \$2.00.

COLOSSAL Truly colossal plant and fruit, and iron-clad in hardness; dark red berries of a sprightly, sub-acid flavor.

COLUMBIAN Valuable and profitable. The fruit is cone-shaped, of dark red, almost purplish color. Fruiting season extends from July 10th to August 15th.

GREGG Large Black Cap heavy bearer.

LOUDON The largest Red Raspberry we have ever seen. When boxed for market it outclasses everything in the Red Raspberry line and sells quicker and for more money. It is almost ever-bearing.

GANDY This is one of the leading late varieties with fruit growers all over the country. The plant is a strong grower, fruit is large and firm, but does not yield as heavy as some; requires strong soil and fertilizers to do its best. It always brings top prices; it is very late and a big showy berry.

PATAGONIA

ONE OF BURBANK'S NEWEST CREATIONS

Strong plants with large, firm foliage, never sunburning, bearing stiff, branching stalks which hold the uniformly large berries free from the ground. Fruit abundant, fine scarlet in color with pale yellow flesh. Firm and a good keeper, of fine pineapple flavor, which can be eaten by everyone. A home berry, ripening early, and prolific during a long season.

Each, 20c; Doz., \$2.00; 25 for \$3.50; per 100, \$15.00.

SAMPLE (P.) One of the late varieties that produces a large crop of berries. It is a beautiful dark red, large and perfect in shape. A fine berry to eat or sell.

SENATOR DUNLAP This berry is of the Warfield type, has a perfect blossom, is hardy, productive, a splendid keeper and able to hold its own under any methods of culture to which it is likely to be subjected. A very heavy bearer of good size even fruit of a very beautiful dark red color. It is a berry to grow for either home use or market. Midseason.

WARFIELD (P.) A vigorous grower producing large crops of fruit, dark red to the center; firm and of good quality, and being a trifle tart makes a good canner. Midseason.

WALDORF (New) A cross between Wm. Belt and President. Early, vigorous foliage, strong grower and very prolific, exceeding in productiveness any variety in cultivation. The fruit is smooth, medium to large; color a bright scarlet; keeping qualities excellent and a splendid shipper. An ideal Strawberry either for home use or for the market gardener.

Doz. 75c, \$2.50 for 50, \$4.50 per 100 by express.

This Fall we can only furnish highly selected runners at 15c each; \$1.00 per doz.; 25 for \$1.75; 50 for \$3.00, postpaid.

AMERICUS Handsome medium sized berries of excellent flavor. A good producer doing best on a rich clay loam. Strong grower and a most desirable variety.

FRANCIS A very large, bright glossy berry, produced in remarkable quantities. The berries are irregular in shape and of good flavor; not as highly flavored as Americus nor as strong a grower but a larger cropper and a good sort.

IOWA The largest of the Fall Bearing Berries, prolific and of superior quality. A good berry in every way.

KANSAS The best of all Black Caps, berries large or larger than the Gregg; jet black, firm, handsome and of the best quality; exceedingly productive.

OLDER Of strong growth, producing canes very much branched, giving more fruiting surface than any other Black Cap. The fruit is of a shiny coal black without bloom; rich, juicy.

GOOSEBERRIES

Price, 2-year plants, by express, each 25c, 3 for 65c, doz. \$2.50. 3-year plants, by express, each 35c, 3 for 85c; doz. \$3.50.

DOWNING Largest of our native Gooseberries; pale green; very sweet.

HOUGHTON Well known, medium size, pale red, very productive. **INDUSTRY** It is one of the heaviest croppers. The red fruit is of largest size, very early and sweet.

KEEPSAKE A very large, straw-colored variety of the finest quality and largest size. Its abundant foliage protects the fruit.

RED JACKET It is the best Red Gooseberry in existence; has good foliage; mildew proof; yields well; smooth, bright red color and of excellent quality.

GRAPES

Price (except where noted) 2-year, by express, each 20c, 3 for 55c, doz. \$2.00; 3-year extra heavy, by express, each 30c, 3 for 80c, doz. \$3.00.

CAMPBELL'S EARLY, King of American Grapes. A grape in all respects better adapted to general use in all sections than any other which has yet been grown and tested. Large, nearly round, often an inch or more in diameter; black, with light purple bloom; skin thin; flavor rich and sweet. Price, 2-year-old vines, by express, each 30c, 3 for 80c, doz. \$3.00, 3-year-old, by express each 40c, 3 for \$1.10, doz. \$4.00.

BRIGHTON Dark red, bunches large; medium size, skin thin, flesh tender, quality the best. Must be grown with other sorts, as it does not pollinize itself.

CATAWBA Bunches large and loose; berries large, of coppery red color, becoming purplish when well ripened.

CONCORD Well known, reliable, deep purple.

DELAWARE Bunches small, compact, shouldered; small, round; skin thin, light red; flesh very juicy.

DIAMOND The leading early white grape. Bunch medium, variety large, white with rich yellow tinge; juicy, almost free from pulp. A fine variety for both market and home garden.

NIAGARA Vine hardy; unusually strong grower; bushes large and compact mostly round; light greenish white, semi-transparent, slightly ambered in the sun; skin thin, tough; sweet to center.

MOORE'S EARLY Bunch medium; berry large, round, black, with a heavy blue bloom; vine hardy and moderately prolific. Its large size and earliness render it desirable for an early crop.

WORDEN Black, handsome, compact bunch; ripens three weeks earlier than Concord.



The Perfect Currant

Vaughan's Special Offers of Fruits

EXTRA LARGE FRUIT TREES FOR IMMEDIATE RESULTS

These extra large specimen fruit trees never have been offered at such bargain prices before. Order by number. Buy now while the stock is large.

APPLE Maiden's Blush
Tolman Sweet
Wolf River
Yellow Transparent
Crabs—Hyslop and Whitney

Duchess of Oldenburg
N. W. Greening
Salome
Walbridge

No. 492. 7 to 8 ft. high, 1½ in. caliper and up, \$1.00 to \$1.25; any 3 for \$2.50.

No. 502. 8 to 10 ft. high, 2 in. caliper and up, \$1.50 to \$2.00; any 3 for \$4.00.

PEARS Keiffer
No. 512. 7 to 9 ft., \$1.00 to \$1.25; 3 for \$2.50.

CHERRIES Early Richmond
No. 522. 6 to 7 ft., 1¼ to 1½ in. caliper, 75c to \$1.00; 3 for \$2.00.

FRUIT TREES—SPECIAL OFFER No. 482

Having a large stock of these choice kinds of fruits we are offering one each of these 10 trees, 5 to 6 ft. in height for \$4.00 by express only.

APPLE Ben Davis
Red Astrachan
Tolman Sweet
Yellow Transparent
Crab—Hyslop

CHERRY Early Richmond
Montmorency

PEAR Koonce

PLUM Abundance

QUINCE Meech

THE HOME GARDEN COLLECTION No. 532

For the benefit of the many customers who desire to plant a small, yet complete garden, we are offering this collection at the extremely attractive figure of \$4.25, by express only.

6 **BLACKBERRY** Stone's Hardy
2 **CURRANT** Lee's Prolific, 2 year
2 White Dutch, 2 year
2 Fay's Prolific, 2 year
2 **GOOSEBERRY** Downing, 2 year
2 Red Jacket, 2 year
2 **GRAPE** Concord, 2 year
2 Delaware, 2 year
2 Diamond, 2 year
3 **RASPBERRY** Loudon
3 Kansas
25 **STRAWBERRY** Brandywine, pot grown
Everything will be labeled and choice stock.

STRAWBERRIES—POT GROWN

Each variety labeled. Collections cannot be divided.

No. 542. 25 plants each, early, medium and late, our selection of varieties for \$2.50 by express only.

No. 552. 2 collections of the above, \$4.75.

Hardy Climbing Vines

"FARM AND GARDEN RULE BOOK"
By Bailey
A book for constant reference, \$2.00



AMELOPSIS ENGELMANNI



CLEMATIS PANICULATA



BIGNONIA RADICANS (Trumpet Vine)

These most useful and beautiful plants are becoming more popular every year and deservedly so. For beautifying summer houses, trellises, veranda and walls, etc., they are invaluable. All are of easy culture, and once planted require very little attention, beyond an occasional sprinkling of water in very dry weather, and a little fertilizer in the spring.

ACTINIDIA Polygama. (The Silver Vine.) A desirable Japanese climber, of vigorous growth, the foliage being a glossy dark green. The flowers are white with purple centers and are followed by clusters of edible fruit. An excellent plant for covering arbors, and where a rapid, dense growth is desired. Strong 3-year plants, each, 50c, by express.

AKEBIA Vine. A beautiful, hardy climbing vine. It often grows 15 ft. in a year and produces in early summer large clusters of fragrant rosy purple flowers, resembling Forget-me-nots. Large vines, 3 years old, 35c; 4 years old, 50c, by express.

AMPELOPSIS (Woodbines and Ivies)

Hardy ornamental vines, climbing by tendrils. They are well adapted for arbors and trellises, and thrive in almost any moist, fertile soil.

Dumetorum Laciniata. A vigorous sort, leaves digitate and deeply cut. Plants, 1 year old, each, 25c; 2 years old, each, 35c, by express.

Elegantissima. A new small leaved climber of merit. Strong grower of clean habit with leaves turning a fine color in the autumn. Strong 2 year plants, each 35c, by express.

AMPELOPSIS—Continued

Engelmanni. (Engelman's Ivy.) One of the hardiest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early fall, and almost perfectly free from insects. The leaves color up beautifully in the fall. 2 year old, 25c; 3 year, 35c.

Lowii. A beautiful new Ampelopsis with small palmate leaves, and of a delightfully graceful habit. It is perfectly hardy and clings closely, the apple-green foliage turning red, as does A. Veitchii as autumn advances. Plants from 4 inch pots, each 50c, postpaid.

Quinquefolia. (Virginia Creeper or Woodbine.) Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls or fences. Strong plants, 2 year, each 25c; doz., \$2.50. Extra strong, 3 year, each 35c; doz., \$3.50 by express.

HAVANA, July 13, 1910. The packing of your last invoice was perfect, specially Roses, Asparagus, Ferns. If it had not been for this, all the lot would have been lost. Think of the plants being packed in boxes for 37 days.

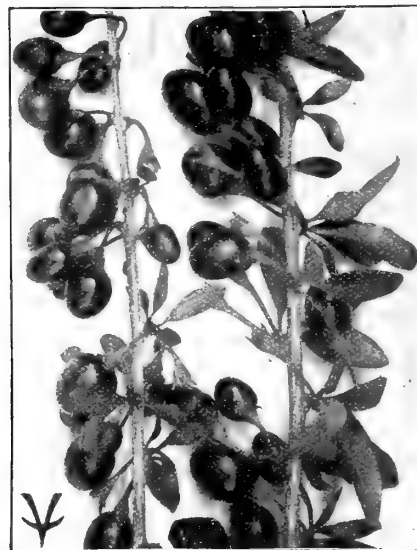
AUGUSTIN BRUN, Inspector of Parks,
Panama, Republic of Panama.



WISTARIA



VITIS HETEROPHYLLA



MATRIMONY VINE

HARDY CLIMBERS—Continued

The Japan or Boston Ivy (Ampelopsis Veitchii.)

The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long, delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or wood. The glossy leaves assume in the autumn the most beautiful tints of scarlet and crimson. The handsomest vine possible for growth on brick walls.

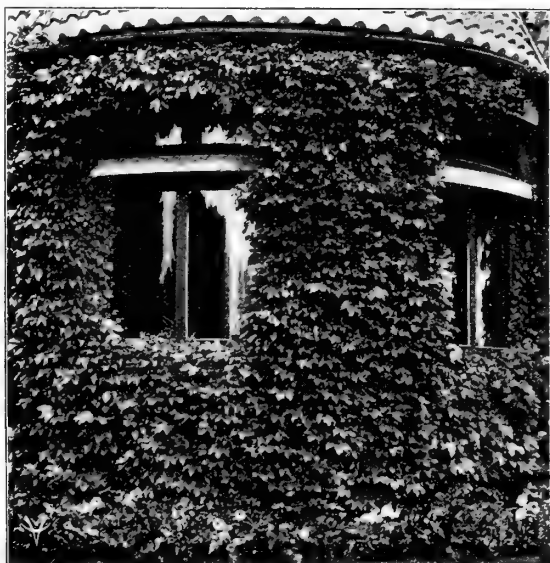
PRICES

By Mail Postpaid	By Express, Not Prepaid
1 yr., ea. 20c; 3 for \$0.50; doz., \$1.50	1 yr., ea. 15c; 3 for \$0.40; doz., \$1.25
2 yr., ea. 25c; 3 for .65; doz., 2.50	2 yr., ea. 20c; 3 for .50; doz., 2.00
3 yr., ea. 40c; 3 for 1.10; doz., 4.00	3 yr., ea. 35c; 3 for 1.00; doz., 3.75
3 year, extra selected, each 60c; 3 for \$1.50, by express.	
4 in., pot grown, each 50c; doz., \$5.00 by express.	

BIGNONIA Radicans. (Trumpet Vine.) Dark red orange throat, free blooming. Very hardy and rapid grower. Useful for covering unsightly places, stumps, or wherever a showy flowering vine is desired. 2 year, each 20c; doz., \$2.00; 3 year old, each 35c; doz., \$3.50; 4 year old, each 50c; doz., \$5.00, by express.

CELASTRUS Articulatus. (Japanese Bitter Sweet.) A vigorous climber with almost round, bright green leaves, and orange yellow capsules in the fall. This variety fruits earlier and more freely than C. Scandens and is one of the best vines to be had for a porch. 2 year, each 30c; doz., \$3.00; 3 year, each 50c; doz., \$5.00, by express.

CELASTRUS Scandens. (Climbing Bitter Sweet.) A native climbing or twining plant, with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. Strong 2 year vines, each 30c; doz., \$3.00; 100 \$25.00, by express. 3 year old, each 50c; doz., \$5.00 by express.



JAPAN OR BOSTON IVY (Ampelopsis Veitchii)

JAPANESE CLEMATIS (Clematis Paniculata)

The finest small flowered Clematis extant. A wonderfully rapid grower, quickly covering trellises, arbors, etc. The flowers are pure white, deliciously fragrant, and produced with the greatest freedom. It flowers in September, when few other vines are in bloom. This is the easiest to grow and most popular of all the small flowered vines.

PRICES. By Mail, Postpaid

Each	Three	Dozen	Age
\$0.30	\$0.80	\$3.00	2-year
.50	1.40	5.00	3-year
.90	2.50		4-year

PRICES. By Express, Not Prepaid

Each	Three	Dozen	100
\$0.25	\$0.65	\$2.50	\$15.00
.40	1.10	4.00	25.00
.75	2.00	7.50	

LONICERA (The Climbing Honeysuckles)

Hardy vines with showy and usually very sweet-scented flowers. They thrive in almost any kind of soil and are very valuable for covering walls and trellis work, and as a ground cover, where they should be allowed to ramble without support of any kind.

We cannot speak too highly of this class, for covering arbors, fences, pergolas, verandas, etc. All are perfectly hardy and improve in beauty each year.

Aurea Reticulata. (Japan Golden Leaved.) Variegated yellow and green foliage, flowers creamy white.

Belgica. (Sweet Scented Monthly.) One of the most satisfactory Honeysuckles, producing continuously large trusses of red and yellow fragrant flowers.

Fuchsoides. (Scarlet Trumpet or Scarpvirens.) Fuchsia-like scarlet flowers, very free and beautiful.

Heckrotti. (New Sweet Scented.) Remarkable for the large size and distinct appearance of its flowers, dark rich red and creamy yellow in color. Blooms continually the whole season.

Japonica Flexuosa. (Chinese Twining.) Remarkable on account of retaining its beautiful glossy foliage most all winter and covered with sweet, yellowish-white flowers nearly all summer.

Japonica Halleana. (Hall's Japanese.) Almost evergreen sort, flowers pure white, changing to yellow. July to November.

Price. Heavy 3-year old vines, each 50c; 3 for \$1.35; doz., \$5.00, by express. Strong 2-year old vines, each 35c; 3 for \$1.00; doz., \$3.50, by express.

MATRIMONY VINE (Lycium)

Well known, hardy, fast-growing vine; handsome when covered with scarlet fruit in autumn.

Strong, 2-year old plants, each 30c; doz., \$3.00; 3-year old, each 40c; doz., \$4.00; 4-year old, each 50c; doz., \$5.00, by express.

VITIS (Wild Grape Vine)

We have fine cultivated vines of these rapid growing, hardy climbers, well suited to the covering of tree stumps, arbors, etc. Each, 30c; 3 for 85c; doz., \$3.00, by express; 3 years, extra heavy, each, 50c; doz., \$5.00, by express.

VITIS HETEROPHYLLA

Of Japanese origin and of the greatest value for arbors, walls, trellises or woodland. The long clusters of light blue fruit hang through the winter. Foliage of light green, each leaf being delicately incised, or cut. 2 year, each 50c; 3 year, each, 75c, by express.

WISTARIA

Sinensis. Long clusters of purple flowers. 2 year old plants, each, 50c by express. **Magnifica.** Clusters of purple-lilac flowers. Price, 2-year, 35c; 3-year, 50c; 4-year, 75c, by express.

Climbers for Shady Places, Aristolochia Siphon, Celastrus, Wild Grape Vine, Apios Tuberosa, Hop Vine, Akebia Vine, Honeysuckles.

Climbers for Hot Sunny Situation, Bignonia Radicans, Clematis Paniculata, Honeysuckles.

Climbers for North Aspect, Clematis all large flowering types such as C. Jackmani, Henryi, etc., Ampelopsis Veitchii (Boston Ivy.)

Climbers for Eastern Aspect Ampelopsis Engelmanni, Cinnamon Vine, Matrimony vine.

N. B. Some of these should not be planted in the fall and have been omitted from the catalog on that account.

VAUGHAN'S GARDEN SEEDS

SELECTION OF KINDS SUIT-
ABLE FOR FALL

On this and the following page we offer some varieties of seed, selected for their adaptability to Fall or Winter sowing either outdoors or in the house. These varieties claim attention as they possess

distinct merits in quality and profit making. Complete list of Garden Seeds is contained in our general catalogue. A copy will be mailed free for the asking.



Root of Bonvallet's Giant Asparagus, 4 years from planting.

(If to go by mail, add 35 cts. per 100 for the 1-year-old plants and 50 cts. per 100 for the 2-year-old plants. Special prices on larger lots on application.)

ASPARAGUS ROOTS

(Plant in Fall or Spring.)

Bonvallet's Giant.

This valuable introduction is the very best for both green and white "grass."

PRICES:

1-yr.-old Roots.	Doz.	100.	1000
Conover's Colossal.....	\$0.10	\$0.50	\$4.00
Palmetto .....	.10	.50	4.00
Columbian Mammoth			
White .....	.10	.50	4.00
2-yr.-old Roots.			
Bonvallet's Giant.....	.25	1.50	10.00
Conover's Colossal .....	.15	.75	5.00
Palmetto .....	.15	.75	5.00
Columbian Mammoth			
White .....	.15	.75	5.00
Argenteuil .....	.25	.95	8.00
3-yr.-old Roots, transplanted for forcing.			
Bonvallet's Giant .....	.50	2.75	
Conover's Colossal .....	.30	1.50	
Palmetto .....	.30	1.50	

BEANS

TRIUMPH OF THE FRAMES For forcing. Very slim pods, making the famous French (Haricot) style of bean. Pkt 15c, ½ pt 20c, qt 75c.

BUSH SORTS FOR SOUTHERN PLANTING.

DAVIS KIDNEY Handsomest of early wax sorts; very long waxy white pods. One of the best for market gardens. Pkt 10c, pt 20c (by mail 28c), qt 30c (by mail 45c); express, pk \$1.60, bu \$6.00.

WARDELL'S KIDNEY WAX Heavy yielder; pods beautiful yellow, very long, flat, straight. Much in use by market gardeners. Pkt 10c, pt 20c (by mail 28c), qt 30c (by mail 45c); express, pk \$1.60, bu \$6.00.

ROUND POD KIDNEY WAX Highest quality, heavy yielder. Pods round, slightly curved. Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c); by express, pk \$1.85, bu \$7.00.

CURRIES' RUST PROOF WAX Great favorite, very hardy, early and nearly rust proof. Pods golden yellow. Crisp and tender. Pkt 10c, pt 15c (by mail 23c), qt 25c (by mail 40c); express, pk \$1.50, bu \$5.50.

CHALLENGE BLACK WAX Extremely early; pods tender and stringless; seeds black. Pkt 10c, pt 20c, qt 30c, pk \$1.60.

STRINGLESS REFUGEE WAX Heavy producer; pods long, stringless and brittle. Pkt 10c, pt 15c, qt 30c, pk \$1.50.

BEETS

VAUGHAN'S "FIRE BALL" Best sort for either private or market garden. Appearance and quality the finest; quick grower. Season about same as Crosby's Egyptian. Beautiful globe shape with smooth skin. Flesh rich, deep red; tops very small. Pkt 10c, oz 20c, 2 oz 35c, ¼ lb 60c, lb \$2.25.

CROSBY'S EGYPTIAN The earliest bet in the market. Very deep color, with tops just large enough for easy bunching. Pkt 10c, oz 20c, 2 oz 30c, ¼ lb 55c, lb \$2.00. Selected stock.

CRIMSON GLOBE Medium size, almost globe shaped, and entirely free from rootlets, perfectly smooth. Average ten inches in circumference. Foliage small, rich bronze purple. Flesh rich blood red, slightly zoned and of finest quality, always sweet and tender, never stringy. Main crop variety. Pkt 5c, oz 15c, ¼ lb 50c, lb \$1.70, postpaid; 5 lbs by express \$7.50.

DETROIT DARK RED TURNIP Tops exceptionally small and upright roots are a perfect turnip shape with small tap roots. Skin dark blood red; flesh bright red. Quality very best, sweet, tender and lasting. Vaughan's Selected Stock, Pkt 5c, oz 20c, 2 oz 30c, ¼ lb 50c, lb \$1.70, by express 5 lbs \$7.50.

EDMAND'S EARLY Roots round, with one small tap root; flesh deep blood red color, very sweet and tender. Pkt 5c, oz 15c, ¼ lb 45c, lb \$1.50; by express, 5 lbs \$6.00.

EARLY ECLIPSE Roots nearly globular, with small tap root and very small collar. Flesh dark red, zoned with lighter shade; very sweet, crisp and tender, especially when young. Pkt 5c, oz 15c, ¼ lb 45c, lb \$1.50, by express 5 lbs \$6.00.

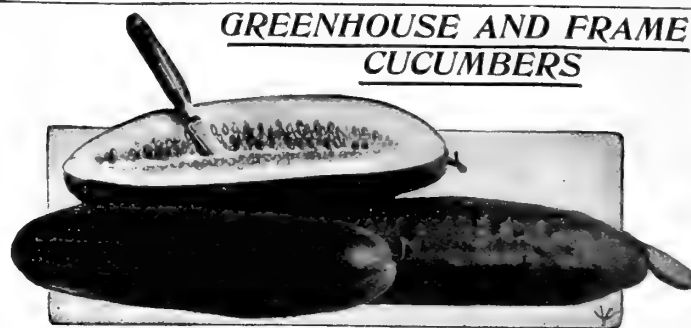
IMPORTED EARLY EGYPTIAN The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. Pkt 5c, oz 15c, 2 oz 25c, ¼ lb 45c, lb \$1.50, by express 5 lbs \$6.00.

CAULIFLOWER

VAUGHAN'S NEW SNOWBALL The best for early and late strain is especially selected for us by a grower in Denmark. Seed saved only from perfectly developed heads. Pkt 25c, ¼ oz 75c, ½ oz \$1.40, oz \$2.50, lb \$32.00.

EARLIEST OF ALL A forcing strain of the above. A sure header and the earliest Cauliflower. Pkt 25c.

GREENHOUSE AND FRAME CUCUMBERS



Type of Davis Perfect Cucumber.

DAVIS' PERFECT Selected long strain of above, and more tapering on ends. Extra fine color. Pkt 10c, oz 20c, ¼ lb 50c, lb \$1.50. Stock seed specially selected for greenhouse forcing. Pkt 15c, 2 pkts 25c, ½ oz 60c, oz \$1.00.

EXTRA LONG WHITE SPINE One of the favorites of greenhouse growers raising for market. Twelve inches long and fine green color. Selected stock. Pkt 5c, oz 10c, ¼ lb 30, lb \$1.00.

VAUGHAN'S ARLINGTON WHITE SPINE The best for Southern truckers. Size and color just right. Pkt 10c, oz 15c, ¼ lb 40c, lb \$1.25.

ENGLISH FRAME VARIETIES

ROLLINSON'S TELEGRAPH Pkt 50c.

NOAH'S FORCING Pkt 25c.

PRESCOT'S WONDER Carter's Model. Pkt 25c.

GRAND RAPIDS FORCING An extra long white spine, crossed with an English sort. Very prolific. Pkt (65 seeds) \$1.00, small pkt (30 seeds) 50c.

CABBAGE

COPENHAGEN MARKET Grows very compact and close to the are light green and fold tightly together. The average weight is about ten pounds. They mature early and at one time, so entire crop can be harvested at once. Early, hard-heading, uniform ripening, good quality, are important attractive features. Pkt 10c, ¼ oz 20c, ½ oz 30c, oz 55c, 2 ozs \$1.00, ¼ lb \$1.75, lb \$6.50 postpaid.

EARLY JERSEY WAKEFIELD. Vaughan's Selected Stock

The best early cabbage cultivated, conical heads and solid; few outer leaves. Our strain is the very best. ½ oz 20c, oz 30c, ¼ lb 80c, lb \$3.00.

LARGE JERSEY OR CHARLESTON WAKEFIELD Develops uniform solid heads, considerably larger than early Wakefield and only a few days later. On clayey ground matures as early. Planted extensively by gardeners in the South. Pkt 10c, ½ oz 20c, oz 30c, ¼ lb 80c, lb \$3.00.

VAUGHAN'S ALL SEASONS (Vandergaw) One of the best gardeners and amateurs. Larger than Early Summer and almost as early. Its desirable features are certainty of heading and excellence of quality. Pkt 5c, ½ oz 12c, oz 20c, 2 ozs 35c, ¼ lb 70c, lb \$2.60.

GLORY OF ENKHUSEN Holland, exceptionally popular on account of earliness, sure heading and fine keeping qualities. Heads are medium size, globe shape, handsome dark green color. Pkt 10c, ½ oz 20c, oz 35c, 2 oz 55c, ¼ lb 85c, lb \$3.10.

EARLY SPRING Round, slightly flattened on top, very solid even before reaching natural size. Pkt 10c, ½ oz 15c, oz 25c, ¼ lb 65c, lb \$2.25.

ALL HEAD OR FAULTLESS Best for the amateur who plants but for general purposes than any other sort. Large, uniform, handsome and of unequalled quality. The few outer leaves allow close planting. Pkt 10c, ½ oz 20c, oz 30c, 2 ozs 55c, ¼ lb 85c, lb \$3.10.

CARROTS

VAUGHAN'S CHICAGO FORCING This variety is similar in shape to "Chantenay" but much earlier and has smoother roots which color a fine dark red before other varieties. As a forcing carrot, or for planting in the open ground home garden, as an early, it is a fine sort. In quality it is excellent and is entirely without core (heart). Pkt 10c, oz 30c, ¼ lb 85c.

EARLY CHANTENAY This equals the best, as an early carrot, six inches long, wonderfully uniform, quality sweet and sugary. Pkt 10c, oz 25c, ¼ lb 70c, lb \$2.50.

VERVEARLY SCARLET FORCING (French Horn) For earliest forcing. Reddish orange colored roots, nearly round. When matured they are about two inches in diameter, but should be used before they are full grown; then they are tender and delicious. Pkt 5c, oz 20c, 2 ozs 35c, ¼ lb 65c, lb \$2.35.

EARLY SHORT SCARLET (Dutch Horn) Larger than French Horn and almost as early, stump rooted, 1½ inches thick, and about three inches long. Fine grained, sweet flavored; color deep rich orange, and fine for bunching. Pkt 5c, oz 20c, 2 ozs 35c, ¼ lb 65c, lb \$2.35.

NANTES HALF LONG EARLY For extra sweetness, this is all by itself. It is of good shape and size, the leaves fine and the roots almost cylindrical, very smooth and grows about six inches long; the flesh is entirely red, very sweet and almost entirely without core. Pkt 10c, oz 25c, 2 ozs 45c, ¼ lb 70c, lb \$2.50.

LETTUCE

GRAND RAPIDS FORCING, Vaughan's Selected Stock

This grand forcing variety stands more neglect in the way of watering and ventilation than the Black-Seeded Simpson. It is of handsome appearance, a strong grower, and not apt to rot, and will keep from wilting longer while exposed for sale than any other. Its upright habit admits of very close planting. Pkt 5c, oz 15c, 2 oz 25c, ¼ lb 35c, lb \$1.25.

VAUGHAN'S EXTRA SELECTED STOCK (Stock Seed). Pkt 5c, oz 15c, 2 oz 25c, ¼ lb 35c, lb \$1.25, 5 lbs \$5.50.

REGULAR STOCK Pkt 5c, oz 10c, 2 oz 15c, ¼ lb 25c, lb 85c, 5 lbs \$3.75.

DENVER MARKET FORCING

An early variety of head lettuce, either for forcing or open ground. It forms large heads of good light green color and is very slow to go to seed. The leaves are beautifully marked and blistered (like the Savoy cabbage), very crisp and tender, and of excellent flavor. Pkt 5c, oz 10c, ¼ lb 30c, lb \$1.00.

MAY KING The best early head lettuce. Equally good for outdoor planting or forcing. Pkt 5c, oz 15c, ¼ lb 35c, lb \$1.25.

BLACK-SEED SIMPSON, Vaughan's Selected Stock

Forms large, loose leaves of ideal color. The leaves are large, thin, very tender, and of very good quality. It is one of the best sorts for use under glass as well as for early outdoor planting. Pkt 5c, oz 15c, 2 oz 25c, ¼ lb 35c, lb \$1.25.

VAUGHAN'S BIG BOSTON The finest of all strains and varieties of head lettuce for the South, and where an early fine quality head lettuce is desired our strain is perfect. Pkt 5c, oz 15c, 2 oz 25c, ¼ lb 35c, lb \$1.25.

FORCING MELONS—FOR GREENHOUSE

INCLUDED IN OUR LIST ARE

"A-1 SUPERB" Scarlet Flesh, "DIAMOND JUBILEE" Green Flesh.
Pkt 25c, Pkt 25c.
"BEST OF ALL" Green Flesh, "ROYAL SOVEREIGN" White Flesh.
Pkt 25c, Pkt 25c.
"TURNER'S HYBRID" (Best Amer. sort). Pkt 25 seeds, 50c.

MUSHROOMS

One brick will spawn about 8 square feet.

These delicacies are easily grown, given the proper conditions. Such conditions are not difficult to establish. Hundreds of people are successfully raising Mushrooms, in their basements, cellars and out-buildings. Write for list of books on Mushrooms.

We can always furnish fresh mushroom spawn; we receive from six to eight shipments every year from the most reliable maker in England, and monthly shipments from our American manufacturers.

PURE CULTURE GARDEN CITY SPAWN

This is the spawn produced according to the valuable discoveries made by American investigators. Through the method of inoculating bricks by means of test-tube cultures, the larger yielding varieties only are produced, and to some degree of certainty the kind of crop to be produced may be predetermined.

PURE WHITE SORTS No. 6 Gills are salmon-colored at opening, then turning dark; quality excellent.
No. 9—Similar to No. 6, but somewhat lighter in stem. Most popular sort with market growers.

CREAM WHITE No. 8 Very hardy and prolific, especially fine for summer planting. No. 11—Very large, heavy and juicy, particularly good when young. No. 12—Good quality, cap much rounded and thick.

LIGHT BROWN No. 10 A good grower and fine flavored.

BROWN No. 5 Grows in clusters and is very prolific. Quality excellent. No. 7—Exceptionally hardy and a good producer. Cap slightly flattened and thick. Flesh, solid and highly flavored.

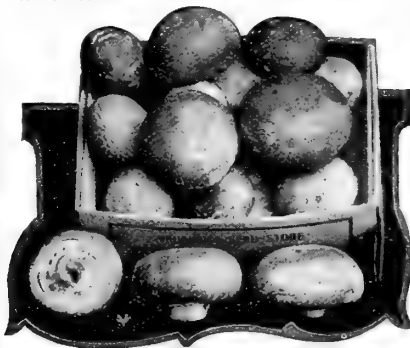
Price—Direct Bricks, inoculated direct from Pure Cultures. Nos. 7, 9, 10, 11, 12 only. Brick, 40c, 5 bricks, \$1.75 postpaid; by express, 10 bricks, \$2.00, 25 bricks, \$4.25, 100 bricks, \$15.00. Standard Bricks, inoculated from Direct Bricks. All above numbers. Bricks, 35c, 5 bricks, \$1.40 postpaid, by express 10 bricks, \$1.85, 25 bricks, \$3.75, 100 bricks, \$12.00.

ENGLISH MUSH-ROOM SPAWN

This is the best English make. It is far superior to the old English Mill-track Spawn. This spawn is made especially for us, who handle more of this article than any one else

imports to ten times each year. Commercially it is planted more generally than any other spawn. It comes in pressed bricks weighing almost 20 ounces. They are broken into pieces the size of a walnut and put sideways in the beds eight inches apart each way. Prices, per brick, 25c, 5 for \$1.00, postpaid. By express or freight, per brick 15c; two for 25c, 8 bricks, \$1.00, 25 lbs \$2.00, 100 lbs \$6.50; if shipped from New York \$6.00. Special prices on ½ ton lots and upward.

FRENCH MUSHROOM SPAWN planted for growing Button Mushrooms. Price, per 2 lb box, 75c; if sent by mail, \$1.20.



ONION SETS

EGYPTIAN The value of this Onion is in producing green onions for early spring use. No large bulb is formed, the sets being produced on the top of the stalk. Very productive, perennial and perfectly hardy. Plant in the fall to depth of 3 to 4 inches. Price for fall delivery: Pt 15c, qt 25c, 2 qts 45c, postpaid; by express, pk 50c, ½ bu 80c, 1 bu (28 lbs) \$1.40.

ONION SEED

WHITE BERMUDA True Teneriffe. The popular sweet onion. Pkt 15c, ½ oz 35c, oz 60c, ¼ lb \$1.75, lb \$6.00.

RED BERMUDA True Teneriffe. Pkt 15c, ½ oz 35c, ¼ lb \$1.75, lb \$6.00.

CRYSTAL WHITE WAX Teneriffe grown. A fine, large, smooth, clear white flat onion for the South. ¼ oz 35c, ½ oz 60c, oz \$1.00, ¼ lb \$3.00, lb \$10.00.

WHITE WELSH ONION This is a perennial onion grown from seed and is the sweetest of all green onions. The plant does not bulb, hardy but slight protection. Sow in the fall or spring. Pkt 10c, ½ oz 15c, oz 25c, 2 oz 45c, ¼ lb 75c, lb \$2.50.

PARSLEY

VAUGHAN'S NEW XXX The very best dark green fine curled parsley. Without equal in the greenhouse or outdoors. Pkt 10c, oz 20c, ¼ lb 65c, lb \$2.00.

CHAMPION MOSS CURLED A very fine parsley. Good color, very fine curled and slow to run to seed. Grows well in window boxes, in pots or in the house. Pkt 5c, oz 15c, ¼ lb 40c, lb \$1.25.

HORSE RADISH SETS

Per 100 75c, 50 for 50c, postpaid; 500 for \$3.00; 1,000 for \$5.00, by express.

RHUBARB ROOTS

Large roots for forcing. By express 75c each, doz \$6.00.

RADISH

VAUGHAN'S EARLY CARMINE TURNIP The earliest all-scarlet turnip-shaped radish; short leaved, making it desirable for use under glass. Pkt 5c, oz 10c, 2 oz 15c, ¼ lb 25c, lb 85c.

CRIMSON GIANT The largest early Forcing Radish. Keeps long without getting pithy. Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.

IMPROVED EARLY SCARLET GLOBE

Vaughan's Selected Stock. A money maker for market gardeners; a splendid turnip sort for hotbed, forcing and out-of-doors. Flesh crisp, juicy, tender and mild flavored. Withstands heat without becoming pithy. Small tops. Very early, ready in twenty-eight days. It is the best seller in the markets. Pkt 5c, oz 10c, ¼ lb 25c, lb 90c.

VAUGHAN'S CARDINAL FORCING, NEW

Has an early and good record. The best forcing radish to date. A few days earlier than Scarlet Globe, runs more even in shape, a richer dark red; small tops; flesh firm and crisp; small percentage cracked bulbs. Pkt 10c, oz 20c, 2 oz 30c, ¼ lb 40c, lb \$1.50, postpaid.

SPINACH

EXTRA LARGE ROUND LEAF (The Standard.) Our stock is very fine and select. Oz 5c, ¼ lb 15c, lb 30c, by mail; by express, lb 25c, 5 lbs \$1.00, 10 lbs \$1.85 100 lbs \$15.00.

Very hardy. Good for fall sowing. Oz 5c, ¼ lb 15c, lb 40c, postpaid.

PRICKLY SEEDED

MONSTROUS LEAVED VIROFLAY Quick, strong growth. Oz 5c, ¼ lb 15c, lb 40c, postpaid.

VAUGHAN'S NORFOLK SAVOY The leaves are remarkably thick and blistered, extremely hardy. Oz 5c, ¼ lb 15c, lb 35c, postpaid; by express, lb 25c, 5 lbs \$1.00, 10 lbs \$1.85, 100 lbs \$15.00.

TOMATOES

FOR THE SOUTH AND GREENHOUSES.

BEAUTY—The standard purple market sort; superior strain. Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 70c.

NEW GLOBE—A very handsome appearing sort which is gaining great popularity. Pkt 10c, ½ oz 15c; oz 25c, ¼ lb 80c.

FOR UNDER GLASS AND GREENHOUSES

COMET (Scarlet); STERLING CASTLE (Scarlet); SUNRISE (Scarlet). Each 25c per pkt.

Also HUBERT'S MARVEL (round like an apple, scarlet color); FROG-MORE SELECTED. Pkts 15c each.

LISTER'S PROLIFIC (New). Latest popular English sort. Pkt 25c. BEST OF ALL; LORILLARD (Old Standard) Pkt 5c each.

TURNIPS

	Pkt.	Oz.	¼ lb.	lb.
Earliest White Milan.....	\$0.05	\$0.10	\$0.35	\$1.10
Extra Early Purple Top Milan.....	.05	.10	.30	1.00
Early Red or Purple Top Strap Leaf—Choice.....	.05	.10	.20	.50
White Egg.....	.05	.10	.20	.60
Purple Top White Globe.....	.05	.10	.20	.70
White Flat Dutch.....	.05	.10	.15	.50
Golden Ball.....	.05	.10	.20	.60

FOR FALL SEEDING—CLOVERS, TIMOTHY, WHEAT

Our endeavor is to handle only the very best and purest Grass Seeds. Too great emphasis cannot be given to the importance of high quality seed for use in field planting. That the best is by far the cheapest is perfectly obvious to experienced agriculturists. The waste of time and valuable land incident to sowing seed deficient in either germinating power or freedom from weeds or chaff always offsets any lower price for inferior seed.

Our supplies are direct from the producers and we buy only the very best samples the market and season offer. We supply only the purest and highest germinating seed and our prices are based on supplying this quality. We cannot, therefore, nor do we wish to, compete with half cleaned, mixed and graded

seed at cheaper prices. We invite analysis and microscopic examination.

Prices on field seeds fluctuate from day to day; therefore, although we shall do our best to maintain the prices following, these figures are at all times subject to market changes. Should these seem high, write for latest quotation. Located in Chicago, the Grass Seed center of the United States, and New York, the largest importing center, we are in position to quote the very lowest prices in the qualities we supply. Grain bags, 20 cents each extra in bushel lots or more. Unless otherwise noted prices on this page apply to shipment either from Chicago or New York.

CLOVERS

Our grades are absolutely the best that can be had. Market prices Sept. 1, 1912:

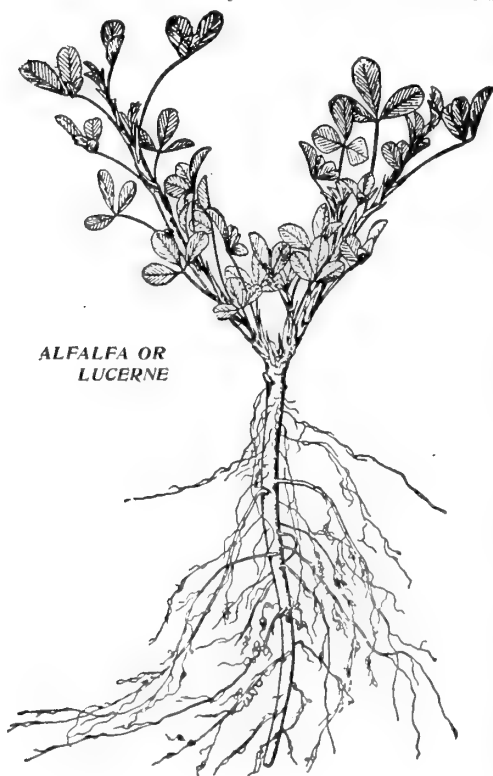
Medium Red Fancy
Bu.....\$13.50; 100 lbs \$22.00
Medium Red Choice
Bu.....\$13.00; 100 lbs \$21.00
Mammoth Red Fancy
Bu.....\$13.50; 100 lbs \$22.00
Mammoth Red Choice
Bu.....\$13.00; 100 lbs \$21.00
Alsike, Fancy Seed
Bu.....\$13.00; 100 lbs \$21.00
Crimson Clover
Bu.....\$8.25; 100 lbs \$13.00



ALFALFA OR LUCERNE

The best paying crop on the farm

The growing popularity of this plant in the Northern Central States shows that with proper cultivation and care this may be successfully grown. Our seed is American grown in the Northwest and West, from the hardiest sources and we offer only the cream of the crop, taking great pains regarding germination and purity. Purchasers of Alfalfa should examine the seed carefully themselves or submit samples to authorities like the State Experiment Stations or the Seed Laboratory at Washington for analysis. Lb 25c (by mail 33c), 10 lbs \$2.25, 100 lbs \$19.00.



ALFALFA OR
LUCERNE

BOKHARA OR SWEET CLOVER

Used for soil-
ing. A good bee
plant. Lb 30c
(by mail 38c),
10 lbs \$2.50.

TIMOTHY

This brand on
packages in-
dicates that
seeds within are
a clean, free
from weeds and
dirt, as it is pos-
sible to grow and
make them. By
freight or express,
10 lbs \$1.25; bu
(45 lbs) \$3.50;
100 lbs \$7.25. Two
bushel grain bags,
20c each extra.

WHEAT

Our Seed Wheat is carefully re-
cleaned and is grown for us on
contract by careful wheat breed-
ers.

This brand is insurance
to you, and you should
see that it is on every
package of seeds you buy.

The Famous KLONDYKE WHEAT

A bald, or smooth wheat, red-
chaffed, with fine amber grain.

Grows very rank, with good stiff
straw, having strength to hold up the heavy heads. Has dis-
placed Golden Chaff in localities where the two varieties were
grown. Prices by freight or express: Pk 50c, bu \$1.60, 10
bu \$15.00; grain bags 20c each extra. If to be shipped from
New York, add 20c per bushel to these prices.

DEFIANCE (Turkish Red Wheat)

Selected Stock (Bearded). The bearded are by far the
hardest. The heads are of good size, and the plants stool out
well. Ours is well-bred stock. Prices, by freight or express,
at purchasers' expense: Pk 50c, bu \$1.60, 10 bu \$15.00; grain
bags 20c each extra. If to be shipped from New York, add
20c per bushel to these prices.

WINTER RYE

Our seed is a nice clean strain of the
heavy yielding variety. Prices by freight
or express: Pk 40c, bu \$1.25, 10 bu
\$11.50; grain bags 20c each extra. If to
be shipped from New York, add 20c per
bushel to these prices.

WINTER VETCH

Also called Hairy or Sand Vetch

Sow in the Fall. Especially
fine for orchard covering. It suc-
ceeds in all soils and withstands
extremes of heat and cold. Re-
mains green and furnishes pas-
torage all winter. Write for our
booklet. Sow ½ bu (30 lbs) per
acre. Price by freight or ex-
press: Bu \$9.70, 100 lbs \$16.00.

WILD RICE

Valuable to sportsmen as food
for wild ducks or other fowl.
Sown in fall at rate of handful
to sq. yd. in fresh water lakes,
swamps, and river bogs, where
current is not strong, yet where
water is not stagnant. It is 1
to 3 feet deep, with thick layer
of soft mud underneath. Seed
must not be allowed to dry out;
we pack it in damp moss. Lb.
40c, 5 lbs \$1.65, 10 lbs \$3.00, 25
lbs \$7.00, by express only.



WINTER VETCH

VAUGHAN'S "CHICAGO PARKS" LAWN SEED

GRASS SEED QUALITY AND PRICES

Our constant purpose is to supply our customers with only the purest and very best grass seeds, at lowest prices consistent with highest quality.

Maintenance of the highest germinating quality in seed, and its freedom from deteriorating mixtures, by the most painstaking and thorough system of growing and cleaning means best results in the field and true economy to our patrons.

Seed that is 95 per cent pure and of highest germinating quality is cheaper at double the price of seed only 50 per cent pure.



SOWN WITH VAUGHAN'S CHICAGO PARK LAWN SEED

Pure, Recleaned Seed **VAUGHAN'S LAWN GRASS MIXTURES** Sold by Weight Only

Lawn seed in quart packages often contains chaff to give it bulk, and you pay more per lb. for it than if bought by weight.

Other methods of deception to get higher prices for inferior grades are resorted to; best results are obtained by purchasing from responsible business people. The grass mixtures quoted here will give you satisfaction. They are honest and trustworthy.

VAUGHAN'S CHICAGO PARKS Has a reputation of thirty years behind it—they are years bearing a record of unparalleled success and universal satisfaction wherever this famous seed has been used. $\frac{1}{2}$ lb., 15c; lb., 25c; 3 lbs., 65c; 5 lbs., \$1.00; 15 lbs., \$2.90; 25 lbs., \$4.75.

VAUGHAN'S "COLUMBIAN LAWN" A selection of the fine grasses which thrive under shade of trees or buildings, and are suitable for light sandy soil. lb., 25c; 3 lbs., 65c; 5 lbs., \$1.00; 15 lbs., \$2.90; 25 lbs., \$4.75. By mail, 8c per lb. extra.

OUR LAWN GRASS MIXTURES

Are prepared with scientific skill. We cannot afford to supply any but the best seed to our patrons; we invite analysis and microscopic examination.

Prices of grass seed fluctuate like those of grain, and we cannot guarantee the prices quoted here, as they are subject to market changes; but we are glad to furnish latest quotations and samples on request.

Our locations, Chicago and New York, the grass seed center of the United States and the greatest importing center, respectively, enables us to quote the lowest prices for the quality we supply.

VAUGHAN'S QUICK SOD

A new mixture especially put up for fall sowing and first planting on new soil. Quick growing hardy grass; produces good sod that will winter without killing out. 1 lb., 25c; 3 lbs., 65c; 5 lbs., \$1.00; 15 lbs., \$2.90; 25 lbs., \$4.75; (by mail, 8c per lb. extra).

VAUGHAN'S QUICK SHOW

This mixture contains the quickest growing grasses, though not having the permanence or color of our "Chicago Parks"; will make a respectable showing after first season. Sow 50 lbs. to acre. lb., 25c; 5 lbs., \$1.00; 25 lbs., \$4.75; 100 lbs., \$18.00.

KALAKA

A combination of superior grass seed with concentrated dry manure. Quick germination and the establishment of the young grass is brought about by the presence of the fertilizer. 2 lb. box, 50c; 5 lbs., \$1.00. Sent by express only.

OTHER GRASS SEEDS

KENTUCKY BLUE GRASS (*Poa Pratense*)



Kentucky Blue Grass

Fancy Seed. "Kentucky Blue Grass and higher land values grow together." Where Blue Grass grows, the stock breeder finds an ideal location. It is a pasture grass of highest quality. Compared with "Red Top," its uses are not so varied nor its places of growth so universal, but agriculturally it holds the highest rank.

It requires time to establish itself; should be grazed lightly for two years. Sowing time depends on locality. Fall, early spring and again in June are three principal times for sowing. Sow three bushels (14 lbs. to the bu.) per acre.

Our seed tests show a high percentage of germination; it is produced for us by skilled and successful Kentucky growers.

For lawn purposes it is the standard—superior to all other sorts. In soils favorable, it withstands all variations of weather and climate. Actual weight, 21 lbs. per bushel sold at legal weight, 14 lbs.

Fancy clean seed, lb., 25c; 3 lbs., 65c; bu. (14 lbs.), \$2.00 by express.

AGROSTIS CANINA (*Rhode Island*

Bent Grass) A valuable lawn grass, resembles Red Top, but has shorter and narrower leaves; in the East, especially New England states, is much in use. Like Red Top, adapts readily to most any soil, makes fine colored, close turf; excellent for permanent meadows and pastures. For lawn, sow 3 to 4 bu. per acre. lb., 35c (by mail, 43c); 10 lbs., \$3.25; 100 lbs., \$30.00.

AGROSTIS STOLONIFERA (*Creeping Bent Grass*) Ideal grass for golf-greens. Its creeping stems and spreading habit make lasting turf that withstands hard usage better than other sorts, the leaves are fine and dense growing; very distinct. Valuable for low bottom lands and slightly sandy soil. Good for both hay and pasture. lb., 35c (by mail, 43c); 10 lbs., \$3.25; 100 lbs., \$30.00.

CANADA BLUE GRASS (*Poa Compressa*) A hardy perennial grass; forms strong turf of dense creeping root stalks. Adapts itself to all soils and withstands differences of soil and climate better than most grasses. For pasture and dairy use, especially adaptable to Eastern and Middle States. A lawn grass of much value to endure hard usage. 14 lbs. to the bushel. lb., 20c (by mail, 28c); 10 lbs., \$1.50; 100 lbs., \$12.00.

BERMUDA GRASS (*Cynodon Dactylon*) A warm climate grass; in the Southern states, the warmer regions of the Southwest and on the Pacific Coast, it is held in high favor, and cultivated extensively for grazing. All kinds of stock thrive on it and like it. Resists extreme drought, high temperature, and grows freely on sandy soil where other grasses do not thrive. Is not suited to shade; is an excellent lawn grass in the South, where it is much in use. Sow in spring, 15 lbs. to the acre. 36 lbs. to bu. lb., \$1.00 (by mail, \$1.10); 10 lbs., \$9.00; 100 lbs., \$80.00.

RED TOP GRASS (*Agrostis Vulgaris*)

Is amongst the most economical and useful grasses, and gives the farmer entire satisfaction. Good for meadow and one of the best for pastures, grazing not only benefiting it, but is almost necessary to its continued existence.

Does best in moist soil and in swampy places, where other grasses would fail, Red Top thrives with greatest vigor. It requires no special soil or location, but does well anywhere in any soil. For hay it is not as good as Timothy, but as combination for hay and pasture is the best of nearly all economic grasses. Sow alone or with nurse crop. For lawn growing purposes it is one of the very best, forming a low, growing turf and germinating rapidly. Seed comes in two grades—chaff or unhulled, weighing 14 lbs. to the bushel, and the fancy re-cleaned seed, weighing 32 lbs. to the bushel. Our seed is carefully re-cleaned, free from noxious weeds and light chaff. Fancy, lb., 25c; 5 lbs., \$1.10. Unhulled, lb., 15c; 5 lbs., 60c.



RED TOP GRASS (*Agrostis Vulgaris*)

FESTUCA OVINA (*Sheep's Fescue*) A good grass for upland pastures in shady and poor soils. Is very hardy, resists extremes of weather and although growing in tufts, its fine, dense foliage permits use for lawn purposes. Sow 35 lbs. to acre; 12 lbs. to bu. Price, lb., 25c (by mail, 33c); 10 lbs., \$2.25; 100 lbs., \$20.00.

FESTUCA RUBRA (*Red or Creeping Fescue*) Forms a compact turf, especially valuable for binding loose soils, gravelly banks and dry slopes. Excellent bottom grass for pastures, especially those in shade. Very good grass for shaded lawns. Sow 30 lbs. to acre; 14 lbs. to bu. Price, lb., 30c (by mail, 38c); 10 lbs., \$2.50; 100 lbs., \$22.00.

POA NEMORALIS (*Wood Meadow Grass*) For deep shade, in the late states; best of all lawn grasses; a very hardy perennial, the creeping roots establishing an even, deep green turf. Makes good pasturage and hay on dry, rich soils, but usually too expensive to sow. 14 lbs. to bu. Price, lb., 50c (by mail, 58c); 10 lbs., \$4.75; 100 lbs., \$45.00.

CYNOSURUS CRISTATUS (*Crested Dogs Tail*) Forms an even and compact sward, does fairly well in shade; good for pasture. Should be in all good mixtures for shaded lawns—is of important value combined with other lawn grasses. Sow two bushels to acre. Price, lb., 35c (by mail, 43c); 10 lbs., \$3.25; 100 lbs., \$28.00.

WHITE CLOVER Extra fancy. lb., 50c; 3 lbs., \$1.45; 10 lbs., \$4.75. Add 8c per lb. to above prices if wanted by mail.

VAUGHAN'S POULTRY DEPARTMENT

PRAIRIE STATE INCUBATOR



**PRAIRIE
STATE
No. 2
150 EGGS
\$22.50**

For all-around adaptability, ease of operation, and thorough reliability, the Prairie State Incubator has no equal. To meet the needs of poultry raisers, four different sizes are offered as follows:

No. 0.—Diffusion, 100 hen eggs—87 lbs. net weight; 135 lbs. crated..... \$18 00
No. 1.—Diffusion, 150 hen eggs—108 lbs. net weight; 160 lbs. crated..... 22 50

INCUBATOR JUNIOR, No. 2

The No. 2 Junior Incubator is a good low-priced machine. It has the highest hatching power of any machine on the market, outside of the "Radio-Diffusive" Prairie State, in all respects being equal, except it does not have as heavy a case, nor will it operate in a room of as high a temperature. That is, we do not mean to say the machine cannot be operated in a warm room, but when operated in a warm room the lamp has to be turned down, whereas in the other machine it does not.

This machine has every automatic feature that could be incorporated in an incubator without the multitude of parts to confuse the user. It comes the nearest to putting in your eggs and taking out your chicks of any incubator with which we are acquainted.

No. 2.—Junior—115 hen eggs capacity—70 lbs. net weight; 95 lbs. crated.... \$15 00

PRAIRIE STATE UNIVERSAL HOVERS

This device is what is used in Prairie State colony brooders. On account of its adaptability to so many varying conditions and the fact that it furnishes the heat needed in all kinds of weather makes it valuable to everybody.

The hover can be used in any style of box, brooder or colony house, having two feet square or more of space—requires no cutting of floors, furnishes a top heat and does not weaken your chicks with the bottom heat.

Hover with lamp case, smoke conductor, lamp and thermometer..... 7 00

When used indoors alone, lamp case is not required.

Hover and lamp with smoke pipes..... 6 00

With regulator attached, \$1.00 extra.

The improved Prairie State Incubators are not only the most successful hatchers, but are honestly made—dependable, durable machines through and through. They are made to adjust themselves automatically to existing conditions, and consequently they overcome the possibilities of neglect or ignorance of the operator. This means a great deal, as even the expert operator is liable to forget his machine.

In building the improved Sand Tray Prairie State we have covered every possibility that might arise which would work detrimentally to the final result, thus getting the highest number of strong chicks from the eggs set.

While it is neat and attractive in appearance, the Sand Tray Prairie State Incubator is built to work, rather than to be ornamental. It is made from the most suitable and durable material for the purpose that will insure long life to the machine and a minimum of repairs with economical working conditions, both of oil and time. It is so planned as to be easy of access to all of its parts. The machine is thoroughly insulated to resist all sudden changes of temperature from outside the incubator.

We call particular attention to the following essential features of the machine, many of which are new and exclusive with the Prairie State.

The eddy current or automatic gravity heat distributor secures an even, rapid distribution of pure warm air to all parts of the machine, giving that perfect ventilation so necessary for the hatching of strong chicks. To further insure an abundance of oxygen, the incubator is built with a larger air space above and below the eggs than any other machine. A new triangular, toggle-joint, thermostatic, automatic, heat regulator, with five times the thrust of any thermostat heretofore used, prevents overheating of the egg chamber.

The machine is provided with a warm nursery, so that chicks can be incubated and the nursery used in the very coldest of incubator rooms. A slot on the side gives to the nursery the supplementary ventilation for drying off and hardening the chicks before removing to the brooder.

The sand trays used in the Prairie State supply automatically the amount of moisture which a hen gives and which nature requires for a successful hatch. It provides more than double the quantity of moisture furnished by any other machine, and yet does not produce an excess of humidity, as the trays, being from 10 to 15 degrees lower temperature than the eggs, cannot saturate the air completely. The variation in the relative humidity in this machine is very slight.

No. 2.—Diffusion, 240 hen eggs—175 lbs. net weight; 240 lbs. crated..... 32 00
No. 3.—Diffusion, 390 hen eggs—220 lbs. net weight; 275 lbs. crated..... 38 00

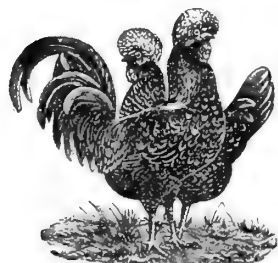
PRAIRIE STATE COMBINATION COLONY BROODERS

The proper device for raising is just as necessary as a good machine for hatching. The three styles of the Prairie State Combination Colony Brooders we offer are the best obtainable for the purposes for which they are adapted.

No. 1 Combination Colony Brooder. For outdoor use this machine has no equal. Being carefully built it maintains the desired temperature as well as the best ventilation under all the varying conditions of weather. Zero weather has no ill effects and you can rest assured that your chicks are safe and comfortable either with a rain, hail or snow storm raging outdoors. Large and convenient, it is all one could desire; the sanitary conditions are easily maintained because of the plan of construction. Has two compartments.
Price, Floor Space, 36x72 inches—weight crated, 300 lbs..... \$20 00

No. 2 Combination Colony Brooder. The sides and floor of this outdoor brooder are made of tongued and grooved chestnut or poplar boards one inch in thickness. The roof of one-half inch boards with dead air space and heavy straw-board insulator, all of which is covered with the best quality of roofing tin, carefully fastened with nails and covered with several coats of best grade anti-rust paint. The whole roof being hinged, may be easily removed to reach the interior. Provided with two compartments the same as No. 1. Can be used in or outdoors.
Price, Floor space 30x60 inches, weight crated, 208 lbs..... \$16 00

No. 3 Combination Colony Brooder. This brooder is constructed on the same general plan and lines as No. 2, but without the partition, and has proven equally satisfactory in practical use either for indoor or outdoor purposes.
Price, Floor space 27x48 inches—weight crated, 150 lbs..... \$12 00



HOUDANS

**PRICES OF
STOCK for
BREEDING
Furnished on
Application**

SPECIAL DELIVERY SERVICE

All Poultry Orders amounting to \$3.00 or over we deliver free anywhere within 25 miles of our Chicago store—oyster shells and grit excepted, unless accompanied by general order. This does not apply to goods sold at wholesale or in cases where a special price is quoted. Outside 25-mile limit, prices F. O. B. Chicago.

POULTRY BOOKS

The American Standard of Perfection. Cloth..... \$1 50
Farm Poultry Doctor. By Dr. W. N. Sanborn..... 50
Money in Broilers and Squabs. By M. K. Boyer.
Best Book Published..... 50
Poultry Craft. By J. H. Robinson. 272 pp..... 2 00
Poultry Account Book..... 25
The Practical Poultry-Keeper. By Lewis Wright.
300 pp. Profusely illustrated..... 2 00
The Bantam Fowl. By T. F. McGrew. Only
complete Bantam Book. 60 illustrations.... 50
999 Questions and Answers—On Poultry, Tur-
keys, Geese and Ducks, Diseases, Eggs, In-
cubators and Buildings. By Frank Heck..... 50
Reliable Poultry Remedies. Full instructions
64 pp., 5x6 inches. Price..... 25
The Plymouth Rock—Barred, Buff and White
By experts in breeding..... 1 00
The Wyandottes—Silver, Golden White, Buff
and Partridge. By experts. 160 pp..... 1 00

POULTRY SUPPLIES

BONE CUTTERS

Humphrey's Bone Mill. Open hopper, Four cutting knives.

No. 1. Hand Power..... \$12 00
No. 2. Power only..... 13 50
No. 2½ Hand and Power.. 15 00

Crown Bone Cutter. Machine for 50 to 100 hens.

Weight with stand, 80 lbs.
Price..... 8 00

Weight without stand,
50 lbs. Price..... 6 50

Crown Bone Cutter
Mann Bone Cutter. No. 5B. For bench use.
Price, \$8.00. No. 7 is intended for a flock of 50 to 100 hens. Weight, 107 lbs. Price, \$12.00.

Wilson Dry Bone Mill. Grinds grain, stone, etc.
Price, without stand, \$5.00; weight, 33 lbs. Price with stand, \$7.00; weight 64 lbs. Diameter of hand wheel 22 inches.

Wilson No. 0 Grist Mill. without stand, weight, 30 lbs. Price, \$5.00. With stand, weight, 60 lbs. Price, \$7.00.

Humphrey Clover Cutter. Balance wheel makes work easy. Price, \$10.00.

Caponizing Sets. Book of Instruction with every set. Philadelphia Caponizing Set, complete, \$2.50. Farmer's Caponizing Set, complete, \$3.00. Special Caponizing set, complete, \$4.00.

Success Whitewash and Spray Pump. Price, complete, \$4.00.

O-2. Whitewash Sprayer. Compress Air. Price, \$6.50.

Spring Lever Poultry Punch. Best punch made. Price, postpaid, 27c.

Leader Adjustable Leg Bands. Prices, doz., 15c; 25, 25c; 50, 40c; 100, 75c.

Improved Champion Leg Bands. Prices, doz., 15c; 25, 25c; 50, 40c; 100, 75c., postpaid.

Smith Sealed Leg Bands. Prices, doz., 30c., 25, 50c., 50, \$1.00; 100, \$1.50.

Sealers. For Smith-sealed Leg Bands. Prices Plain, 50c.; Nickeled, 75c.

Wire Hen Nests. Each. 15c.; ½-Doz., 75c., Doz., \$1.50.

Porcelain Nest Eggs. 3c., each; 2 for 5c.; Doz., 25c. **Vaughan's Pigeon and Poultry Fountain.** Price, ½ gal. size, 50c.; 1 gal. size, 75c.; 2 gal. size, \$1.25.

Peerless Hot Water Drinking Fountain. Price, \$1.60

Prairie State Fountains. Made of galvanized iron. 1-qt., each, 20c; doz. \$2.00 1-gal., each, 35c; doz. \$3.25

2-qt., each, 25c; doz. \$2.50 2-gal., each, 50c; doz. 4.75

Vaughan's Earthenware Fountain. Prices, 1-quart each, 20c.; doz., \$2.25; 2-quart, each, 30c.; doz., \$3.35;

4-quart, each, 40c., doz., \$4.50.

Vaughan's Grit and Shell Box. Price, 50c.; per doz., \$5.50.

Wooden Feed or Grit Box. Only one space. Price, 35c

Vaughan's Dry Food Hoppers. Heavy Galv. Iron. Price, 75c. each.

Hub Chick Feeder. Absolutely sanitary. Price, 9-in. feeder, 35c.; 15-in feeder, 50c.

American Feed Pan or Water Trough. No. 1—Size, 18 inches long, 50c.; No. 2—Size, 24 inches long, 75c.; No. 3—Size, 36 inches long, \$1.00.

Reliable Egg Carrier. A. No. 1. Fillers, each, 50c.; per doz., \$4.25.

Square Style Egg Carrier. Per doz., 15c.; 25 for 25c.; 50 for 50c.; 100 for 85c.; 1000 for \$8.00.

Vaughan's Exhibition Coop. Price, triosize, \$2.00; Pen size, \$2.25.

All Wood Shipping Coops. Best on the market.

No.	Length	Width	Height	Each	Per Doz
1	12	18	18	\$0 30	\$3 25
2	12	18	18	35	3 65
3	12	21	21	35	3 75
4	18	21	21	40	4 50
5	24	21	21	50	5 50
6	30	21	21	55	6 00

PIGEON SUPPLIES

Jersey Perch. Best on the market. Each, 6c.; Doz., 65c.

Vaughan's Pigeon Food. Put up as follows:

5-lb. cartons.....\$0 25 50-lb. sacks.....\$1 50

25-lb. sacks..... 1 00 100-lb. sacks..... 2 50

Foust's Health Grit. An all-around condition powder. 5 lbs., 25c.; 25 lbs., 75c.; 50 lbs., \$1.15; 100 lbs., \$2.00.

POULTRY REMEDIES

VAUGHAN'S GOOD HEALTH FOR POULTRY

A positive cure and preventive for colds, sore mouth and canker, sore eyes, sore breast, back or shoulders, cracked heels, trush, wounds, cuts, sores, saddle galls and roup.

Large Bottle.....\$0 50
Small Bottle.....25

VAUGHAN'S MAGIC LIQUID ROUP AND CHOLERA CURE

Every poultry raiser should have a can of it; don't wait until the roup makes its appearance. It will be found a good preventive if a small quantity is put in drinking water.

½ pint can.....\$0 25
1 pint can.....50



CONKEY'S LICE LIQUID.

There are a great many poultrymen who do not seem to understand that the Mite requires entirely different treatment than the ordinary louse. There is no powder made that will entirely rid you of the Mite, and until you are rid of him he will multiply until every fowl you have is rendered useless from exhaustion. In our opinion, the Mite will do more to reduce the profit of your fowls than all other varieties of vermin combined. Conkey's Lice Liquid will immediately destroy these terrible pests and will rid your poultry house of its

Price, 1 qt. can, 35c; ½ gal. 60c; gal. \$1.00.



Conkey's Noxicide. Disinfectant, deodorant and germ diastase. Price, 1 pt. 35c; 1 qt. 60c; 2 qt. 90c.

Sandford's Liquid Lice Killer. Successfully exterminates lice. Price, 1 qt. 35c; ½ gal. 60c; 1 gal. \$1.00.

Zenith Fly Knockers. Instant relief from summer pests. Price, 1 qt. 35c; ½ gal. 60c; 1 gal. \$1.00.

Conkey's Head Lice Ointment. Price, 1 oz. 10c; 3 oz. 25c.

Conkey's Lice Powder. It is also an effective disinfectant. Price, 15 oz., 25c; 48 oz. 50c; 100 oz. \$1.00.

Sandford's Lice Powder. Price, 15 oz. 25c; 48 oz. 50c; 100 oz. \$1.00.

Conkey's White Diarrhoea Remedy. Price, large box 50c; small box 25c.

Conkey's Roup Cure. Price, 50c and \$1.00, postpaid.

Vaughan's Roup Cure. Positive cure. Price, small size, 50c; large size, \$1.00.

Conkey's Poultry Tonic. A general invigorator. Price, 25c.

Conkey's Gape Cure. Price, per can, 50c.

Conkey's Scaleg Legs. Price, per can, 50c.

Conkey's Poultry Worm. Price, per can, 50c.

POULTRY FEEDS AND CONDITION POWDERS

VAUGHAN'S ZENITH CONDITION POWDER.



As the name implies it stands at the head of Condition Powders. It is scientifically compounded, thoroughly balanced and perfectly pure and free from any harmful substance. In this day of egg production, it stands to reason that a condition powder given at intervals of 2 or 3 days apart is a great benefit to keep the fowls in the pink of condition and enables them to bear up under the egg-forcing process.

5 oz. box15c 2½ lbs. box25c
6 lbs.50c
Full directions for feeding on each package.

VAUGHAN'S GROUND BEEF SCRAPS Or Prepared Meat for Poultry

This is the finest thing we know of to cause hens to lay during the winter. Feed 3 times a week at the rate of 1 oz. to each fowl, mixed with the daily mash.

As high prices for eggs prevail at this season of the year it makes very profitable feeding.

100 lbs.\$3.25 25 lbs.\$1.15
50 lbs.1.80 5 lbs.25

VAUGHAN'S MEAT AND BONE

This is a special preparation containing all the elements of our meat meal with the addition of fine ground bone, for the purpose of furnishing more lime to laying hens and producing a food of great strength and growing properties for maturing stock.

100 lbs.\$3.00 25 lbs.\$1.15
50 lbs.1.80 5 lbs.25

DRIED BLOOD MEAL

100-lb. bags, each.....\$3.40
50-lb. bags, each.....1.85
25-lb. bags, each.....1.15
5-lb. cartons, each.....25

CRUSHED OYSTER SHELLS

100 lbs.\$0.85 25 lbs.\$0.25
50 lbs.50 5 lbs.10

GROUND BONE

200 lbs.\$4.75 25 lbs.\$0.75
100 lbs.2.50 5 lbs.25
50 lbs.1.50

GROUND RED PEPPER

Mix this with red albumen for a worm food.

Per lb.\$0.35

CHARCOAL

Coarse Ground or Granulated.

100 lbs.\$2.25 10 lbs.\$0.50
50 lbs.1.25 1 lb.10

HULLED OATS

100 lbs.\$3.40 25 lbs.\$1.25
50 lbs.1.85 4 lbs.25

CRACKED CORN

Valuable for mixing and feeding with other grains.

100 lbs.\$2.00 25 lbs.\$0.60
50 lbs.1.00 5 lbs.20

HARD RED WHEAT FOR PIGEONS

Extra choice re-cleaned seed.

100 lbs.\$2.75 5 lbs.\$0.25
25 lbs.1.60

TARES OR VETCHES

Used extensively for feeding pigeons.

100 lbs.\$5.25 5 lbs.\$0.40
25 lbs.1.60

PHEASANT'S FOOD

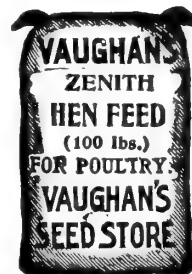
100 lbs.\$5.75 25 lbs.\$1.65
50 lbs.3.00 5 lbs.35

SPRATT'S GAME MEAL

100 lbs.\$6.00 25 lbs.\$1.90
50 lbs.3.25 5 lbs.40

VAUGHAN'S

ZENITH HEN FEED



It contains no grit, no shell or other weight-making ingredients. Every ounce of Zenith Feed is an ounce of pure grain.

Vaughan's Zenith Hen Feed is a very superior mixed feed which meets all the requirements of maturing chicks and laying hens. The feed is composed of only sound, sweet grain, as we never use any damaged grain in this feed.

The mixture is made carefully and scientifically and is the cleanest and best balanced ration on the

market. Not only do we use great care in choosing the grain, but after thorough mixing, we thoroughly clean from all dust and too finely-ground particles by means of our electric dusting apparatus. We thus insure our customers a food that has a minimum of waste.

Because Zenith is an all-grain mixture it is advisable in feeding to supply, in addition, Grit, Bone, Meat Meal, Charcoal and Green Food. If fed in a litter of cut clover or hay, scratching is necessary and is an extremely beneficial exercise for the poultry.

100 lbs.\$2.35 25 lbs.\$0.75
50 lbs.1.25 10 lbs.35
5 lbs.20

CONKEY'S LAYING TONIC

Price, 1½-lb. pkg.25c 3¼-lb. pkg.50c

PRATT'S POULTRY FOOD

25-oz. pkgs., Each, \$0.25 5-lb. pkgs., Ea. \$0.50

25-oz. pkgs., per doz. 2.50

ALFALFA CLOVER MEAL

100 lbs.\$2.00 25 lbs.\$0.75
50 lbs.1.15 10 lbs.40

YANKEE CORN

100 lbs.\$2.50 10 lbs.\$0.45
50 lbs.1.50 5 lbs.25
25 lbs.90

STOCK REMEDIES

Conkey's Stock Vigor. For Cows, Calves, Horses, Sheep and Swine. Price, 12lb Pail, \$2.00; 5-lb. Pkgs., \$1.00; 2½ lbs., 50c; 1 lb., 25c.

Conkey's Worm Remedy. Most effective cure. Price, 50c.

Conkey's Horse Tonic. A stimulating medicine. Price, \$1.00.

Conkey's Heave Cure. Tones back to a healthy condition. Price, \$1.00.

Conkey's Colic Remedy. The best in cases of emergency. Price, 50c and \$1.00.

Conkey's Fistula and Poll Evil Remedy. Price, \$2.00.

Conkey's Eye Remedy. For sore, inflamed or weak eyes. Price, 50c.

Conkey's Distemper and Cough Remedy. Price, 50c and \$1.00.

Conkey's Healing Powder. Wonderful Gall Cure. Price, 25c and 50c.

Conkey's Gall Salve. A healing ointment for sores. Price, 25c and 50c.

Conkey's Pain Lotion. For soreness. Price, 50c.

Conkey's Hoof Remedy. Keeps your horse's feet in nice shape. Price, 50c and 75c.

Conkey's Absorbent. Takes the place of blistering and firing. Price, \$1.00.

Conkey's Bag Ointment. Penetrating and softening. Price, 25c and 50c.

THE MODEL PORTABLE POULTRY HOUSE

AN ORNAMENTAL AND EFFECTIVE HENRY FOR BACK YARDS

An All-Year-Round Fresh Egg Plant requiring but little space to properly house a small flock of chickens, with a fifty per cent better egg yield than the free run plan. Roosting quarters and runway commodious. Warm and durable. Easily moved. Made in two sizes.

No. 1. Ground space 3x12 feet; capacity 10 to 12 fowls, according to breed. Wood. Weight crated, 450 lbs. F. O. B. factory...\$20.00

No. 2. Ground space 3½x16 feet; capacity 15 to 18 fowls, according to breed. Wood. Weight crated, 550 lbs. F. O. B. factory... 24.00

Explanation Table Below: Numbers prefixed B represents Bulbs; F, Farm Seeds; P, Plants; R, Roots; S, Seeds.

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VAUGHAN'S GARDEN TOOLS AND REQUISITES

Prices Given Below do not include Prepaying of Charges Except Where Noted

POWDER BELLOWS, American.—Used for dusting plants with sulphur or like material. Three sizes, each, \$1; \$1.15 and \$1.25.

POWDER GUN, Jumbo.—Each. 35c; small size. 15c; by mail, 20c.

CARNATION SUPPORTS.—Model. Wire. 2 rings. Doz., 50c; 100, \$3.50; 3 rings, doz., 60c; 100, \$4.00.

FUMIGATORS, Eureka, galvanized. Used for burning tobacco stems in order to fumigate greenhouses. No. 1, capacity ½ pk., \$1.50; No. 2, capacity 1 pk., \$2.00; No. 3, capacity ½ bu., \$1.75; No. 4, capacity ¾ bu., \$3.50.

FERTILIZERS

VAUGHAN'S "ROSE GROWER" Bone Meal. Our "Rose Grower" bone has been slightly steamed to soften it so it can be ground fine, and is thus quicker in its action. 5 lbs., 30c; 10 lbs., 50c; 25 lbs., 75c; 50 lbs., \$1.25. 100 lbs., \$2.25. In New York, 50c higher per 100 lbs.

VAUGHAN'S SHEEP MANURE. Excellent for mixing with the soil of greenhouse plants: one part manure and six parts soil. 5 lbs., 25c; 10 lbs., 40c; 25 lbs., 65c; 50 lbs., \$1.00; 100 lbs., \$1.75; 500 lbs., \$7.00. F. O. B. New York, 100 lbs., \$2.00. 500 lbs., \$7.50.

SHREDDED CATTLE MANURE. Efficient, high grade natural fertilizer for all general purposes, manufactured by special process from selected fresh cleanings from cattle pens. No offensive odor, no refuse. If applied to the lawn in the fall it protects grass roots through the winter. As easy and clean to handle as grain; perfectly dry, and can be stored anywhere. Price f. o. b. Chicago: 100 lbs., \$1.80; 500 lbs., \$7.00; 1,000 lbs., \$13.50; 2,000 lbs., \$21; In New York, 50c higher per 100 lbs.

VAUGHAN'S CONCENTRATED PLANT FOOD. This is a most useful fertilizer for all kinds of plants raised in pots. Small pkg., 15c ea.; by mail, 24c; Large pkg., 25c each; by mail, 42c. Each package contains full directions.

BOWKER'S PLANT FOOD. A first-class plant food. Small-sized pkg., 15c; by mail, 22c; large-sized pkg., 25c; by mail, 40c.

CLAY'S FERTILIZER. Valuable imported manure, recommended to all who grow either fruit, flowers or vegetables and wish to bring them to the highest perfection. It should also be used in potting soil and as a top dressing. Lb., 15c; 7 lbs., 75c; 14 lbs., \$1.25; 28 lbs., \$2.00.

GLAZING MATERIAL, Sash, Mats, Etc. GLASS CUTTER AND GLAZING TOOL. Each, 10c. GLASS CUTTER, DIAMOND. Each, \$4.50.

GLAZING POINTS, Vaughan's Perfection. No rights or lefts. No. 2, small, single thick glass; No. 1, large, single thick glass; No. 2½, double thick, for greenhouse and skylights. Price, per box of 1000, 70c; by mail, 85c.

Seibert's Improved. Easy to drive, and made so that they will not wedge or crack the glass in driving them. They are made in 2 sizes, ¾ and 1½-in. long. Price, per lb., 50c; by mail, 65c.

MASTICA. For glazing greenhouses, hotbeds, sash, etc. Much better than putty; does not crack, always remains soft. Per gallon, \$1.35.

MASTICA MACHINE. For applying above. Ea., \$1.25. **TWEMLOW'S OLD ENGLISH GLAZING PUTTY.** Semi-liquid. To be used in same manner as Mastica. per gallon, \$1.65.

SCOLLAY'S PUTTY BULB. A useful tool with a tube for applying liquid putty in glazing greenhouses. Each, 90c. If by mail, add 10c each for postage.

HOTBED SASH. Unglazed, for 10-inch glass. Each, \$1.50; 3 for \$4.40; doz., \$17.50.

For 8-inch glass, each, \$1.60; 3 for \$4.75; doz., \$18.50. Write for prices on Glazed Sash.

HOT BED MATS. Lined, waste wool and cotton, quilted. Size A, 40x76 inches, each, \$1.00; doz., \$11; Size B, 76x76 inches, each, \$1.50; doz., \$15.00.

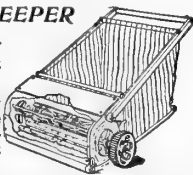
Waterproof Duck. Same as above with waterproof duck on one side to shed rain. Size C, 40x76 inches, each, \$1.50; doz., \$16.00. Size D, 76x76 inches, each, \$2.00; doz., \$21.50.

Rattan Singapore Fibre. It is 6 feet 2 inches long by 6 feet wide. Each, \$2.50; doz., \$27.00.

PLANT BED CLOTH. Cheap substitute for glass, answering many uses equally well. 20 yards and upward, medium, per yard, 12c; heavy, 20c; 50 yards and upward, medium, per yard, 11c; heavy, 18c; 100 yards and upward, medium, per yard, 10c; heavy, 16c. We do not sell less than 20 yards of a kind.

GEM LAWN SWEEPER

Will clean lawn more thoroughly than 4 men with hand-rakes. Made of metal, wood and canvas, and lighter and less noisy than all metal. Rakes are flexible; rake heads are divided in middle, each part hung on swinging hinges, kept in position by springs. Each, \$16.00.



RUBBER HOSE

ELECTRIC NON-KINKABLE. Best hose on the market, finest quality of rubber being used in its manufacture. Will not kink and will last for years. We can supply in any length, and will fit with "snap" hose couplings if advised at time of ordering. Price, ¼ inch, per 25 feet, \$5.50; 50 feet, \$10.00; 100 feet, \$20.00.

Excelsior Brand. A fine grade of hose which we can readily recommend. Comes in 25 and 50 foot lengths only. Price, ¼ inch (including plain couplings), per 25 feet, \$4.00; 50 feet, \$7.75; 100 \$15.00.

Standard Brand. ¼ inch; will give good service; Price (including coupling), 25 feet, \$3.00; 50 feet, \$5.50; 100 feet, \$10.00.

ALL IRON HOSE REEL. Very light weight, frictionless; never break or wear out. No. 10, 100 feet ¾-inch hose. \$2.75. No. 20, 150 feet ¾-inch hose, \$3.00.

THE "SNAP" HOSE COUPLER



Best hose coupler on the market, being simple, durable and always tight for ¼-inch hose. Per pair, 30c.

HOSE COUPLER, Brass, for ½ or ¾-inch hose. Each, 15c; doz., \$1.50.

HOSE STRAPS, Coldwell. Used in fastening coupler on hose. Doz., 15c.

THE COOPER HOSE MENDER



The best hose mender on the market, made of copper, with sharp barbs on either end, which prevent hose slipping off. ½ or ¾-inch, each, 8c; doz., 75c; 1 inch, each, 10c; doz., \$1.00; postage, 5c; doz. extra.

HOSE NOZZLES

BOSTON ROSE SPRAY. Brass for ¾-inch hose; useful for watering lawn and garden. Each, 60c; by mail, 70c.



STANDARD With stream and 2-inch spray. Each, 75c; if by mail, 90c. Same with 2½-inch spray, \$1.00; if by mail, \$1.15.

GEM. Best all-around hose nozzle; can be used for lawn or garden, as it can be changed from fine spray to a stream by simply turning; for ¾-inch hose, Each, 50c; if by mail, 60c.

INSECTICIDES AND FUNGICIDES

Liquid Cannot be Sent by Mail.

APHINE. A new insecticide discovery that kills plant life of every species. Effective indoors and outdoors. Per Quart, \$1.00; Gallon, \$2.50.

FIR TREE OIL. For mealy bug, scale, red spider, black and green aphids, thrip, lice, worms and slugs. Small bottle, 25c; ½ pt., 40c; pt., 75c; qt., \$1.25; gal., \$4.00.

FIR TREE OIL SOAP. For thrip, red spider, black and green fly, mealy bug, worms. ½-lb. tin, 25c; 2 lbs., 75c.

FISH OIL SOAP. (Commonly known as Whale Oil Soap.) An excellent wash for trees and plants where insects and eggs affect the bark; also used for smearing on trees to prevent worms crawling up. Per lb., 15c; 2 lbs., 25c; 5 lbs., 50c.

LEMON OIL. Destroys mealy bug, scale, thrip; red spider, etc. ½ pint, 25c; pint, 40c; quart, 75c; ½ gal., \$1.25; gal., \$2.00.

NICO-FUME. Strips of paper strongly saturated with Nicotine. These when suspended and lighted make one of the best and simplest methods of fumigating greenhouses. Use 4 to 6 sheets for ordinary house 100 feet by 20 feet wide. Price, 24 sheets, 75c; postpaid, 90c; 144 sheets, \$3.50; 288 sheets, \$6.50.

NICO-FUME LIQUID. For fumigating or spraying; contains 40 per cent nicotine; ¼ pint, 50c; pint, \$1.50; ½ gal., \$5.50; gal., \$10.50.

NICOTICIDE. Fumigating or spraying compound for killing insects on plants in greenhouses and frames; 4 oz., 70c; ½ pint, \$1.25; pint, \$2.50; quart, \$4.50; ½ gal., \$8.25; gal., \$15.00.

NIKOTTEEN. Use same as Nicoticide. ¼ pint, 40c; ½ pint, 75c; pint, \$1.50.

SULPHUR FLOUR. For mildew on roses. Lb., 10c; 10 lbs., 75c; 25 lbs., \$1.50.

SULPHO TOBACCO SOAP. For greenfly on roses. 8-oz. box, 20c; (by mail, 25c); 2-oz. pkg., 10c.

TO-BAK-INE LIQUID. Positively kills green and black fly, mealy bug, red spider, thrip or any insect, without injury to flowers or plants. Used for spraying, fumigating or a wash. ½ pt., \$1.10; pt., \$2.00; ½ gal., \$7.75; gal., \$15.00.

TOBACCO STEMS. For fumigating, 100 lbs., \$1.50.

TOBACCO DUST. One of the best remedies for green and black aphids, fleas, beetles, etc., also for insects in the ground. Lb., 10c (by mail 25c); 5 lbs., 25c; 10 lbs., 40c; 100 lbs., \$2.50.

KNIVES, Budding. Ivory handle. Each, \$1.25; by mail, \$1.30.

Propagating. Ivory handle. Each, \$1.25; by mail, \$1.30.

Pruning. Stag handle. English, \$1.25; by mail, \$1.30.

LABELS, Wooden, for Pots. Per 100 1000
4-in., painted.....\$0 15 \$1 00
5-in., painted.....20 1 50
3½ in., wired for trees.....20 1 50

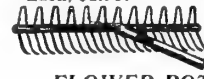
LAWN RAKES



Automatic Self-Cleaning. A backward motion of the operator clears all the teeth at once. Each, 75c.



ENGLISH DAISY. For running over lawns, tearing off disfiguring daisy and dandelion flowers; 20 teeth. Each, \$2.75.



LAWN QUEEN. Wire teeth, reversible head. 24 teeth; each, 45c; 36 teeth; each, 75c.

FLOWER POTS AND SAUCERS

We pack these carefully, but will not be responsible for breakage in transit.

RED FLOWER POTS.

Doz.	100	1000	Doz.	100	1000
2½ in.	\$0 15	\$0 85	7-in.	\$1 00	\$ 7 00
3 -in.	20 1 25	10 00	8-in.	1 40	10 00
4 -in.	35 1 75	15 00	10-in.	each	25c
5 -in.	45 3 50	25 00	12-in.	each	40c
6 -in.	65 4 00	40 00			

RED BULB OR FERN PANS.

Each.	Doz.	Each.	Doz.
5-in.	\$0 06	8-in.	\$0 12
6-in.	07 75	9-in.	15 1 50
7-in.	08 85	10-in.	25 2 00

RED SAUCERS.

Doz.	100	Doz.	100
3-in.	\$0 15	7-in.	\$0 50
4-in.	25 1 50	8-in.	80 5 00
5-in.	35 2 00	10-in.	ea., 15c
6-in.	45 2 75	12-in.	ea., 20c

POTTING SOIL. This mixture is prepared by us. Suitable for all ordinary plants and bulbs; by express or freight at buyer's expense; ready for use. Pk. 35c; bu., \$1.00; bbl., \$2.00.

PEAT. For potting orchids, etc. Per bbl., \$2.50.

MUCK. For potting azaleas. Per bbl., \$2.00.

LEAF MOULD. Per bbl., \$1.80.

LEAF CART. A hand-cart frame with a very light wood rack. \$13.00.

SPRINKLERS, The Lenox. A splendid sprayer for in or out door plants, rose bushes, etc. Ea., 35c; by mail, 40c; extra bulbs, 10c each.

Scollay's Rubber. Indispensable for floral work. Large, 90c; by mail, \$1.00. Medium, 75c; by mail, 82c. Small, 60c; by mail, 65c.

SYRINGES, Brass, No. 0. 12½-in. two sprays, and one straight stream, for small greenhouses and windows, each.....\$2 00

No. 5, Greenhouse Sprayer, 18-in. barrel, ea. 6 00

English, Brass, 18-in. barrel, with two sprays and one stream, each.....4 00

Pneumatic Hand Sprayer. Compressed Air. Throws fine mist. Quart size. Galvanized Tank. Each, \$1.00. Brass Tank, each, \$1.75.

Hand Auto-Sprayer. Produces very fine mistlike spray. Galvanized Tank, 75c.

PLANT TUBS

UNION CYPRESS. These tubs are made of ¾-inch cypress, which insures their keeping for years without rotting. Measurements are outside of tub.

No. 1—11½ in. diam., 11½ in. high..Each, \$1.00; 4 for \$ 3 50
2—13½ in. diam., 12 in. high..Each, 1.25; 4 for 4 50
3—14 in. diam., 14 in. high..Each, 1.65; 4 for 6 00
4—16 in. diam., 15 in. high..Each, 2.00; 4 for 7 50
5—19 in. diam., 18 in. high..Each, 3.00; 4 for 11 00
6—22 in. diam., 19½ in. high..Each, 3.75; 4 for 13 00

Columbian. Made of best pine lumber. Twelve stays in taper shape, held together by two steel wires. Natural varnish finish.

F. O. B. Chicago only. Each Four Height, Diam.

11	by 11½ in.	\$1 00	\$3 80
14½	by 14 in.	1 50	5 60
17	by 16½ in.	2 00	7 50
19	by 19½ in.	2 50	9 40
20½	by 22½ in.	3 00	11 00

PLANT PAIRS. White Cedar, electric welded hoops. Painted green. Two sizes, 6 in. diam., 8 in. high and 9 in. diam., 11 in. high, each, 50c; 4 for \$1.80.

WATERING CANS, American. Heavy galvanized round can, two copper-faced roses, long spouts. 4-qt., \$1.75; 6-qt., \$2; 8-qt., \$2.25; 10-qt., \$2.50; 13-qt., \$2.75.

French. Oval; otherwise same make as above 6-qt., \$2.25; 8-qt., \$2.50; 10-qt., \$2.75; 12-qt., \$3.00.



62, 23

Nov. 30, 1912

VAUGHAN'S SWEET PEAS

Our Sweet Peas are raised by careful growers, who are specialists in this line, and better seed cannot be had in this country than is supplied by Vaughan's Seed Store.

The Grandiflora types may have a small percentage of rogues, if any. When it comes to the Spencer types, however, it is too well known they are not so well established as to be as true as the Grandiflora or Unwin types.

As mentioned above, our seed is grown by the most careful growers, rogued and selected, and represents the best in existence of these strains; but we cannot be held responsible for whatever rogues or sports that may appear in the seeds we supply.

The following prices are f. o. b. Chicago and are subject to change without notice.

SPENCER VARIETIES

	Tel. Cipher	Lb.
Apple-Blossom , crimson pink and white, shaded.....	Seil	\$2 00
Asta Ohn , lavender tinted with mauve.....	Seiminal.....	3 25
Aurora , orange rose, striped on white.....	Selation	2 00
Blanche Ferry , pink and white.....	Senatorial	2 50
Captain of the Blues , standard purple; wings blue.....	Siegtar.....	2 00
Clara Curtis , primrose.....	Sign.....	
Countess of Spencer Hybrids	Smart	1 25
Countess of Spencer Variety , true pale pink, darker edge.....	Smash.....	2 25
Dainty , white with pink picotee edge.....	Soda.....	
Duplex Spencer Cream Pink . The standard and wings are a rich cream-pink, and practically all the plants give flowers with double or triple standards	Sodarty.....	
Ethel Roosevelt , rose pink, primrose ground.....	Spaniard	
Evelyn Hemus , buff ground with rosy picotee edge.....	Spanish	
Flora Norton , bright blue with slight tint of purple.....	Speak	2 75
Florence Morse , delicate blush, with pink margin.....	Spearade.....	2 75
Florence Nightingale , lavender.....	Spank.....	
George Herbert , standard rosy magenta, wings deep carmine.....	Specialty.....	2 50
George Washington , glorious crimson-scarlet self.....	Spear.....	1 50
Helen Lewis or Orange Countess	Spin	
John Ingman , same as George Herbert.....		
King Edward VII , the best of the rich red sorts.....	Sportive.....	3 50
Marie Corelli , rose carmine, tinted cherry red.....	Spanker.....	3 50
Mrs. Hugh Dickson , pale salmon pink on cream ground.....	Spanking.....	5 00
Mrs. Routzahn , apricot, suffused with pink.....	Stampade.....	3 50
Othello , dark rich deep maroon.....	Stay.....	3 00

SPENCER VARIETIES—Continued

	Tel. Cipher.	Lb.
Pearl-Gray , Pearl or dove-gray, suffused with light rose.....	Stayed.....	8
Primrose , true primrose color.....	Steilery.....	2 50
Senator , claret and chocolate stripes on light helio-trope ground.....	Stocking.....	2 50
Tennant , purplish mauve.....	Stoical.....	3 50
Vermilion Brilliant , brilliant scarlet.....	Stoje.....	
White , pure white Spencer.....	Street.....	3 00
W. T. Hutchins , apricot and lemon, overlaid blush.....	Streator.....	3 00
Vaughan's Special Mixture of Spencer Varieties	Stattary.....	2 50

UNWIN AND GRANDIFLORA TYPES

America , the brightest blood-red, striped white.....	Seide.....	75
Aurora , orange rose, striped on white.....	Sein.....	75
Black Knight , dark maroon.....	Seligman.....	75
Blanche Ferry , pink and white.....	Senat.....	70
Bolton's Pink , pink shaded rose.....	Sense.....	65
Captain of the Blues , purplish mauve.....	Sieg.....	75
Countess of Radnor , superseded by Lady Grisel Hamilton.....	Sod.....	
Cupid, Mixed	Silchmix.....	40
Dainty , white, with pink edge, unique.....	Soldat.....	75
David R. Williamson , rich indigo blue.....	Soldier.....	60
Dorothy Eckford , one of the best whites.....	Soll.....	50
Dorothy Tennant , deep rose mauve.....	Somit.....	70
Duke of Westminster , deep rose maroon, overlaid with bright shining violet.....	Sopha.....	75
Emily Henderson , white, early and free.....	Span.....	75
E. J. Castle , rich carmine rose, with salmon shading in the standard.....	Spangle.....	80
Evelyn Byatt , fine orange salmon.....	Sparrow.....	70
Frank Dolby , largest and finest pale blue.....	Spatula.....	1 20
Flora Norton , a very bright blue.....	Spatz.....	75
Gladys Unwin , pale rosy pink.....	Spearfish.....	1 20
Helen Pierce , blue, with dark grain markings.....	Spinley.....	70
Henry Eckford , of extraordinary orange color.....	Spinster.....	
Hon. Mrs. E. Kenyon , yellow.....	Spink.....	60
King Edward VII , Special selection; especially fine.....	Sported.....	60
Lady Grisel Hamilton , best of all lavender sorts.....	Spreu.....	60
Lord Nelson , deeper and richer than Navy Blue; same as Brilliant Blue.....	Spring.....	85
Lottie Eckford , white, suffused lavender.....	Sprintz.....	60
Lovely , soft shell pink.....	Spule.....	1 00
Maid of Honor , white, edged lavender.....	Staar.....	75
Miss Willmott , richest orange pink, shaded rose.....	Stafel.....	70
Mrs. A. Watkins , large pale pink.....	Standard.....	70

UNWIN AND GRANDIFLORA TYPES—Continued.

	Tel. Cipher	Lb.
Mrs. Geo. Higginson, Jr., delicate light blue.....	Stallman.....	\$1 00
Mrs. Walter Wright, beautiful mauve color.....	Statt.....	75
Navy Blue, deep violet blue.....	Statthaf.....	1 00
Nora Unwin, giant white.....	Stattin.....	1 20
Othello, a beautiful dark brown chocolate-red color.....	Stattlich.....	65
Prima Donna, soft pink.....	Steil.....	75
Princer of Wales, a bright rose, self, of intense colo and fine form and substance.....	Stehend.....	65
Queen Alexandra, giant size scarlet.....	Stellate.....	75
Rose du Barri, salmon rose and orange.....	Stale.....	2 50
Romolo Piazzani, true violet, blue.....	Stullify.....	
Saint George, brilliant orange scarlet.....	Steele.....	1 10
Salopian, one of the best of the dark bright reds.....	Stimme.....	75
Senator, chocolate, striped white.....	Stock.....	60
Unique, white, flaked with light blue.....	Stratum.....	60
White Wonder, the many-flowered white.....	Streams.....	65

CHRISTMAS or WINTER-FLOWERING SWEET PEAS

	Tel. Cipher	Lb.
Canary Bird, early yellow.....	Seimke.....	\$1 00
Christmas Countess } sky blue.....	Spiral.....	1 00
Mrs. C. H. Totty... }		
Christmas Pink } pink and white.....	Siesta.....	85
Earliest of All... }		
Christmas Meteor, brilliant red.....	Strebe.....	1 00
Christmas Prima Donna } daybreak pink.....	Seed.....	1 00
Mrs. F. J. Delansky.... }		
Christmas White } pure white.....	Signal.....	70
Mont Blanc..... }		
Florence Denzer. }		
Mrs. Alexander Wallace, lavender.....	Standery.....	1 00
Mrs. E. Wild, bright rose.....	Stella.....	75
Mrs. W. W. Smalley } salmon pink.....	Starost.....	85
Mrs. William Sim.... }		
Snowbird..... }		
Burpee's Earliest White } black-seeded white.....	Sensitive.....	60
Winter-Flowering Sweet Peas Mixed.....	Sentence.....	75

SWEET PEAS IN MIXTURE

Vaughan's Prize Mixture—Stumpf. This mixture contains the cream of the new and standard sorts, including most of the new Spencer varieties. It is made up entirely of separate named sorts, carefully proportioned as to its composition, and we can safely say **“there is no better mixture in existence,”** no matter at what price or under what name it may be offered. **Per lb. \$1.00, 10 lbs. \$9.50, 100 lbs. \$90.00.**

Vaughan's Florists' Mixture—Stumpfsinn. This is a mixture made by ourselves, of principally light-colored varieties, suitable for florists' cut-flower trade. It is a very carefully proportioned mixture and gives satisfaction. **Per lb. \$1.00, per 10 lbs. \$9.50.**

Eckford Mixture—Stunde. This mixture contains over thirty varieties, including some of the novelties of 1911 and other choice sorts. **Per lb. 70c, 10 lbs. \$6.50, 100 lbs. \$60.00.**

All Colors Mixed—Sturm. Also a very good mixture. Contains over twenty varieties. **Per lb. 60c, 100 lbs. \$50.00.**

TYPE OF NEW GLADIOLI

KUNDERDI "GLORY"

WITH "RUFFLED" PETALS



KUNDERDI "GLORY"

brilliant scarlet-crimson, carrying mostly three broad white blotches on the lower petals. Spikes 4 ft. in height produce 12 to 15 flowers, opening in succession, forming continuous bloom for two weeks.

Price—First Size Bulbs, per 100, \$8.00. Second Size Bulbs, per 100, \$6.75.

Code Word "Garca."

GLADIOLUS, MRS. FRANCIS KING.

The long, strong flower stalks with foliage, and its effective flower spike with a good line of reserve buds continually opening, and with flower $4\frac{1}{2}$ inches across, and five to six flowers well spread out on the spike at the same time, gives for vases, in hotel lobbies and dining rooms, parlor decorations, etc., an effect not produced by any other Gladiolus. The color, brilliant Flamingo pink blazed with vermilion red, is most effective both in daylight and under artificial light.

First size, per 100, \$1.75; per 1000, \$16.00.
Second size, per 100, \$1.50; per 1000, \$14.00.

Code Word "Gau."

GLADIOLUS AMERICA. Code Word—Gladamer.

Soft lavender pink, very light, almost a tinted white, spikes two and three feet long, very large spreading blooms and luxuriant dark green foliage. When cut it lasts in water a week or more, the blossoms retaining their vigor and delicate coloring to the last.

First size, per 100, \$2.75; 1000 for \$24.00.
Second size, 1 to $1\frac{3}{4}$ ins., per 100, \$2.50; per 1000, \$21.00.

CHICAGO WHITE—Novelty of 1912.

The flowers are well expanded, well placed upon the stalk, pure white with faint lavender streaks in the lower petals. In form they resemble the Childsii type. They are borne on tall straight stems and from 5 to 7 flowers are open at one time. It is one of the earliest varieties to bloom, hence valuable as a cut flower sort, either for forcing or outdoor planting.

Per 100, \$7.50.

Code Word "Garden."



MRS.

FRANCIS KING.

CHICAGO
31-33 W. Randolph St.

Vaughan's Seed Store

NEW YORK
25 Barclay Street



GOLDEN
SPUR

BICOLOR
VICTORIA

POETICUS

EMPEROR

A Spring Bouquet of
VAUGHAN'S
NARCISSUS
and
DAFFODILS



**Narcissus
& Daffodil
COLLECTIONS**

Twelve	(12) Bulbs, 3 each	\$0.60
Twenty-five	(25) Bulbs, 6 each	\$1.00
Fifty	(50) Bulbs, 12 each	\$1.50
One Hundred	(100) Bulbs, 25 each	\$2.50

ALL PREPAID